

Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers

Book Three

Since 2013 I have been emailed several dozen reports of possible medical and other hazards from intense electromagnetic radiation from cell phones and towers, Wi-Fi, smart meters, and wireless computer accessories including wireless computers, keyboards, mice, routers, printers, and laptops.

I have previously compiled a total of 400 pages of these reports in chronological order in two separate books with the same title as this “Book Three”.

All three ‘EMF Hazards’ books are linked at www.commutefaster.com/vesperman.html and www.padrak.com/vesperman. Over a dozen authoritative EMF-related reports are also linked at these two websites.

This report begins with “Disclaimers”, a table of contents, “Items of Outstanding Interest”, and a new supplementary set of potentially useful “Recommendations for Actions”.

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Items of Outstanding Interest

In 1999 Dr. Henry Lai of the University of Washington conducted tests on 100 rats in a £70,000 project into the possible effects of mobile phones.

He filled a large tank with water and taught all the rats to swim to a platform in the middle for safety. The 'lesson' was repeated six times to make sure it was stored in the rats' long-term memory.

Half the rats were then exposed to microwave radiation similar to that emitted by mobile phones. And while the 'normal' rats later found the platform with no problem the 'exposed' rats had forgotten where it was.

Assume the rat study is correct in its implications. Then the broadcast signal from cell phones is strong enough inside the brain to either disrupt molecules which form memory, or disrupt electrical fields which constitute memory.

Studies (before 2002) have shown that electromagnetic waves that come from your cell phone may be correlated to brain cancer.

Due to RF health effects hospitality-related businesses such as hotels should stop providing Wi-Fi and block wireless signals.

"I arrived in my new city last week, and all the large water towers storing the city water are covered in many cell antennas. (Dr. Goldsworthy's research had shown that weak Radio Frequency (RF) waves could tear cell membranes by removal of calcium ions in the way that RF waves have been used to 'condition' water by preventing calcium build-up in pipes)

I was concerned about drinking it so I asked Dr. Goldsworthy about how to make it safe, and he said boiling the water should destroy the RF conditioning effect on the water. (If the water tank was grounded then the effect would not be too bad.)"

There could be a problem if you have lead plumbing though, because RF conditioned water will remove the lime scale from the pipes putting the water in direct contact with the lead. This is then free to dissolve the lead to put anyone drinking it at risk of getting lead poisoning.

Measurement of wireless radiation levels from various sources in a railway station in Stockholm, Sweden **The exposure levels were high enough to cause various health effects including neurological ones** (RF levels were high enough to open the blood brain barrier which protects the brain from toxins; this leads to neuronal death and brain damage, particularly the hippocampus which is the center for memory and learning) Areas that were particularly high were those areas near a base station (cell antenna installation).

(My EMF hazards (... Book Two), linked at padrak.com/vesperman, has a prediction that half the US population will be suffering from electrohypersensitivity by 2017. Note that the year of 2017 was based on a possibly erroneous projection dated 2006. Gary Vesperman)

Summary of the health arguments concerning cell phones and cell towers, including information from the American Academy of Pediatrics (AAP, representing over 60,000 US pediatricians), FDA, National Institutes of Health (NIH), US Dept of the Interior, EPA, and hundreds of scientists from around the world – all of whom have expressed disagreement over the FCC's exposure guidelines which are outdated and based on the assumption that microwave radiation levels are safe as long as they are below thermal limits (i.e. not enough microwaves to burn or warm our flesh).

A technology is commercially available that nullifies all EMF within a mile or more, depending on the model. The oscilloscope flat-lines...and the energy is converted from harmful to beneficial. This means that these technologies can be safely used, and to potential human and environmental benefit, and hundreds of millions of dollars of infrastructure is not lost.

An award winning documentary about smart meters and wireless shows increased risk of fires, vulnerability to cyberattack, increased utility bills, surveillance, invasion of privacy issues (personal data has been sold by utilities to 3rd parties), in addition to health effects with smart meters.

Smart meters transmit at least 10,000 pulses per day, at peak levels of 7.93 microwatts/cm² for one particular model. (One study showed children experience headaches, concentration difficulties, and behavioral problems at 0.05 micro-watts/cm². FCC's limit is 1000 microwatts/cm² for 30 minutes for 1.5 GHz and above which is based on thermal limits)

Film shows images of negative changes in blood cells of people exposed to smart meter radiation, such as cell clustering and changes in shape of the blood cells. Also several inflammatory markers in blood, hormones, and neurotransmitters change negatively with wireless radiation exposure.

Also interviews with people who have suffered ill effects, including senior citizen who developed headaches, nosebleeds, and insomnia following installation of 12 smart meters on her bedroom wall; a family who developed fevers following smart meter installation, and

Cancer cluster among students and professors at San Diego State University from a cell tower installation.

7 people developed brain or other cancers and DIED – all at one point occupied room 131 or the room next to it at Nasatir Hall (skip to 1:05 to see this interview with the mother of one of the victims)

1996 Telecommunications Act, which forbids local governments from considering health impact in siting cell towers, though passed by Congress, was written with input by the telecommunications industry.

The smart meters use an omnidirectional antenna. That means shielding the direction is not an easy thing to do. Shielding attempts could make the EMF effects on occupants of a residence worse without proper measurement tools. This is why the term 'tin foil hat' is derogatory. An MIT group tested one and found it focused RF directly to the center of the brain instead of shielding the head from the problem frequencies.

Today, smartphones are everywhere – even our children use wireless technology. Yet, most caring parents don't seem to be worried about the dangers of cell phones. Unfortunately, new studies are definitively linking cell phone radiation to health issues in children and the unborn babies carried by pregnant women.

A pediatric conference held 2016 at the Baltimore Convention Center provided a forum for health experts to discuss their findings. Yale and Harvard scientists and doctors were particularly vocal about potentially harmful cell phone radiation to the brain development of unborn children. A correlation was found between cell phone use during pregnancy and behavioral problems manifesting in the children as they develop.

Research from the International Agency for Research on Cancer showed that pregnant mice exposed to cell phones regularly had babies that tended to have memory issues and hyperactivity. Dr. Martha Herbert of Massachusetts General Hospital and Harvard University found links between autism and the electromagnetic field of wireless internet. Wireless was found to disturb the brain's calcium signaling and information flow, causing children to become agitated.

Cell phone radiation exposure has been linked to many types of cancer, including breast and brain cancer. A U.S. National Toxicology Program study found a strong correlation between cell phone use and brain and heart tumors. In fact, children's brains absorb up to 10 times as much cell phone radiation from wireless technology as adults due to their thinner craniums, putting them at higher risk for impairment and brain cancer.

People are already DYING from Wi-Fi here in South Africa, but nobody even links it up to the actual Underlying Causes. On August 3 we had Local (Municipal) Elections and 3 people died during the voting process – 2 in the queue and 1 inside the voting station.

“My kids and I are extremely EMF & EMR sensitive. We have moved temporarily to the woods and have been staying in an RV, sleeping with only DC power working, because I cannot sleep connected to AC power. We have sold our house, which was located on power lines and had 7 cell towers topping them, and can now look for a new home.

As our search got underway, we are realizing it will be impossible to get further than 2 miles from any given cell tower and if we want to be near any sort of civilization, we will have to be surrounded by no less than 5 towers (at least at time of purchase...this number will obviously grow in time).

Even in the middle of nowhere, with no amenities or people, there are still at least 2 towers nearby.

The realization that cell towers cannot be avoided is a very sad and scary one. With as extremely sensitive as I am, I foresee a life of forever EHS symptoms, ranging from insomnia to full body rash – a very scary future.”

A local MD told someone suffering from EHS that anyone who had radiation treatment for cancer would be the first to fall to ‘normal’ exposures to high-frequency electromagnetic fields.

Biophotonic systems are for sale. Depending on the strength (size) of the system it can create a field that neutralizes electromagnetic fields for a mile or two in every direction.

Shielding suits worn by people who work on cell towers do NOT fully block microwaves. The purpose was to prevent the worker from getting killed, but he or she still gets a hefty exposure. AND the head piece did something to change the microwaves – the distance it gets reflected back and forth from one side of the head to the other made it WORSE for the brain than the full-on microwave. Except of course it was preventing death!

What is an EMF Refugee? It is one of the many thousands of people around the world who are seeking places to live that are free of man-made microwave radiation and ...

“The government keeps refusing to believe there is a problem. China and Russia realize this and keep their limits at a sixtieth of what we have got. We are being told nothing about the health effects. Agencies that should be helping the British public are not helping. Why are we putting up with it?” says Yasmin Skelt, a member of the Mast Sanity pressure group that campaigns against the rising number of cell phone masts.

Radio waves from phone towers can penetrate almost an inch into body tissue.

In one study, those who lived within 50 meters of a high-voltage power line were significantly more likely to develop Alzheimer's disease when compared to those living 600 meters or more away. The increased risk was 24% after one year, 50% after 5 years, and 100% after 10 years. Other research demonstrates that using a cell phone between two and four hours a day leads to 40% lower sperm counts than found in men who do not use cell phones, and the surviving sperm cells demonstrate lower levels of motility and viability.

EMF exposure (as with many environmental pollutants) not only affects people, but all of nature. In fact, negative effects have been demonstrated across a wide variety of plant and animal life. EMF, even at very low levels, can interrupt the ability of birds and bees to navigate. Numerous studies link this effect with the phenomena of avian tower fatalities (in which birds die from collisions with power line and communications towers). These same navigational effects have been linked to colony collapse disorder (CCD), which is devastating the global population of honey bees (in one study, placement of a single active cell phone in front of a hive led to the rapid and complete demise of the entire colony). And a mystery illness affecting trees around Europe has been linked to Wi-Fi radiation in the environment.

Opposition by the wireless industry to honest research into health effects has not been the first time industry opposed scientific research that threatened their business models. Their actions have been seen before many times with tobacco, asbestos, pesticides, hydraulic fracturing (or “fracking”), and other industries that paid scientists to generate ‘science’ that would support their claims of product safety.

Wi-Fi in schools has been discouraged by the government of France, until they are sure that it is “safe for human consumption”. Similarly, the use of cabled computers in place of Wi-Fi has been recommended by Germany’s government for schools. A ban on Wi-Fi in classrooms has been initiated by the Council of Europe.

Moreover, in Israel, wired computers are used instead of Wi-Fi in classrooms and the teachers have been instructed by the Ministry of Education to turn it off when not in use.

The group Wi-Fi in Schools comprises of parents concerned about the Wi-Fi issue in Australia, is passing around a “non-consent” letter, that is to be given to the school principal by the parents saying they don’t want their children exposed to 6 hours of Wi-Fi every day.

Clinical Neurophysiology, a peer-reviewed journal, has revealed that an exposure of 30 minutes to LTE (Long Term Evolution) cellphone radiation affects activity in both sides of the brain. This study observes the short-term effects of LTE radio frequency radiation. The long-term effects, however, still need to be studied. Though, there are some already existing links between these exposures to biological effects, including sperm damage, DNA breaks, increased glucose in the brain, weakened bones, genetic stress, immune system dysfunction and effects on unborn children. More serious diseases that are caused by these exposures are autism, brain tumors, breast cancer, Alzheimer’s disease and brain cancer.

People should not wait until symptoms appear before taking steps to limit radiation exposure.

Our body is a chemical miracle as much as it is an electrical miracle. Many bodily functions rely on electrical impulses and electrical receptors. Exposure to radiation will start having effects much earlier, before even the most minor of symptoms start appearing.

A precautionary approach is advised when we don’t know what the long-term effects will be for our generation and even five generations later. We are all affected by EMF radiation exposure...but many of us are just not symptomatic yet. A health advocate has said people do not wait until they have a toothache to go to the dentist.

The Gin Tub bar in Sussex, U.K., has turned itself into a “Faraday cage” that blocks anyone in it from making calls, sending or receiving emails, texting, surfing the web, etc. Owner Steve Tyler put copper wire mesh in the ceiling and tin foil on the walls, blocking cellphone signals from penetrating.

“I think I’ve hit a nerve in the world, that I think it’s rude, and I think society has accepted people on their phones in bars and in places where it’s socially unacceptable,” he said. Without phones in their hands, customers are now not just drinking in silence but instead talking to each other, he says, adding, “That’s how bars were intended.”

An AT&T cell tower technician has admitted that the telecom company does not shut off the antennas before letting workers work on them. The workers are definitely exposed to higher than FCC limits when people work a few feet in front of powered up antennas. The cell tower worker also mentioned that many tower workers have leukemia and cancer.

Gestapo tactics are being used to silence criticism of 5G technology. At the July 14th press conference, Bloomberg News reporter Todd Shields had his press credentials confiscated by members of the FCC security force. His offense? He was in the act of speaking with safety advocates concerned about radiation, who wanted to show him a tee shirt symbolizing their concerns.

Proof of harm: Remember – things that the government once tested and considered “safe” include such toxic horrors as thalidomide, smoking, asbestos, lead paint, and Agent Orange. Can we really trust these so-called government ‘health’ agencies with wireless radiation?

Already, Nokia is a defendant in 19 separate lawsuits filed in Washington, D.C., alleging that radio emissions from cell phones caused their brain tumors. The lawsuits allege an industry-wide conspiracy to manipulate the science and testing around emissions guidelines – and the world will be watching as this drama unfolds.

When it comes to microwave radiation, cordless DECT phones (DECT \equiv Digital Enhanced Cordless Telecommunications) are actually even more dangerous than cell phones. Not only does a cordless DECT phone transmit electromagnetic radiation while you’re using it; it’s also continually emitting microwave radiation from its base even when not in use. (Cell phones transmit harmful radiation while not in use as well). When not in use, cordless DECT phones are emitting radiation from both the handset and the base on a continual basis in your home.

Microwave radiation from DECT phones creates a toxic environment in the home and even for your neighbors; these harmful effects can radiate through walls and travel significant distances.

On a pleasant spring morning, in 2006, the residents of the small village of Götene, Sweden arose and began to go about their daily routine. Unknown to most people, on this day a powerful ‘WiMAX’ station (a wireless internet access system) was activated for test purposes.

Before long some people began to feel ill, and the local hospital emergency room telephone began ringing with calls from people suffering from headaches, difficulty breathing, blurred vision, racing hearts and a range of other symptoms. The symptoms abated when the system was deactivated or if the sufferer left the area.

A decade earlier Swedish health authorities had noted that the widespread expansion of wireless signals coincided with a sharp but subtle decline in the overall health of the population. The number of Swedish workers on sick leave began to rise abruptly in late 1997 – after declining for years – and doubled in the next five years.

Today, about 270,000 Swedes are on disability for related impairments. Sweden, the historical epicenter of the cell phone industry with the longest exposed population, was the first country to recognize disabilities from electromagnetic radiation (‘EMR’) as a valid medical condition.

In spite of calming reassurances from public health authorities, increasing numbers of citizens appear to be presenting classic symptoms of microwave radiation sicknesses. The Russians, who coined the term, describe its effect as “reversible in the early stages, lethal over time”.

The implementation for tech in schools has been driven largely by corporate profit.

It is common for public health agencies to state that wireless is ‘safe’ and that there is ‘no reason for concern’. But, should we trust these opinions, when thousands of international doctors and scientists have become concerned enough to sign resolutions warning of the opposite?

After all, our authorities have been dead wrong many times before – remember thalidomide, lead, tobacco, and asbestos? In reality, our public health agencies – often lagging decades behind the marketplace – have a rather spectacular history of failure in protecting us from new products.

As chronic long-term exposure to EMR peaks at levels the human body has never before experienced, increasing numbers of us are beginning to succumb. Those highly sensitive are called ‘electrohypersensitives’ (‘EHS’). Are today’s EHS sufferers the early canaries in the coalmine – who’ve reached a tipping point we may all be headed for as exposures continue to increase?

About 3% of the general population appears to suffer serious to severe symptoms of EHS caused by exposure to EMR – in most cases, wireless devices. Another 35% of the general population has lesser symptoms such as impaired immune function and chronic illness.

Beyond obsolete safety codes, lurking below the surface and hidden from public view is the vicious world of corporatized science in a multi-trillion dollar wireless industry. Paving the way to pushing wireless radiation into everyone’s living room has required the maintenance of outdated safety standards, muzzling and intimidation of scientists who report harm, manufacture of deceptive studies to obscure danger, and the hijacking of public health agencies.

Most of the health effects EHS sufferers report are attributed to a single cause: At certain frequencies, weak wireless signals – far below safety standards – which pull structurally important calcium ions off of our body’s cell membranes, weakening and causing them to leak.

Having its meticulously balanced systems destabilized, even slightly, by wireless triggered leakage wreaks biological chaos – subverting the integrity of the body’s intricate defense mechanisms and leaving it vulnerable to all manner of damage. Many EHS symptoms can thus be explained: Leaking skin cells cause rashes, tingling, numbness, burning sensations; leaking heart cells trigger potentially life-threatening arrhythmias; in the inner ear, leaking cochlear cells trigger tinnitus and leaking vestibular cells cause dizziness and other symptoms of motion sickness, including nausea.

The biological effects our safety standards ignore reads like a guest list to Dante’s inferno: DNA damage, genetic changes, breakdown in intra-cell communication, protein damage, immunological function changes, reproductive system damage, decreased sperm counts, cell damage and death, brain-blood barrier leakage, brain nerve cell damage, free radical increases, melatonin decreases, possible linkage to auto-immune diseases like MS, embryonic cell damage, fetal defects, heritable birth defects, and literally hundreds of potential illnesses related to leakage in cell membranes throughout the body.

As the evidence accumulates, other countries have begun to wake up and resist the global wireless assault. Conceding to citizens enraged over cancer clusters, India has recently reduced their allowable EMR levels by a factor of 10 (they were already lower than North America’s) and banned cell towers from schools and hospitals.

The French National Assembly has banned Wi-Fi from schools until proven safe and banned advertising of cell phones to children. The German parliament, the Council of Europe, and the Russian National Committee on Non-Ionizing Radiation Protection have all come out strongly against W-Fi in schools.

Some experts estimate that children are as much as four times more likely to develop brain cancer due to RF/EMF exposure compared with an adult's risk. Children typically have smaller bodies and thinner skulls. The brain tissue of children is also more absorbent than that of a male adult. Fetuses are the most susceptible of all, raising concerns over pregnant women unwittingly exposing their unborn children to harmful amounts of microwave radiation. Worse yet, as technologies become stronger and more powerful, the risk of cancer-causing exposure increases.

When Wi-Fi levels in schools are high, some students develop headaches. The human brain has 5 million magnetite crystals/gram of tissue, and these crystals absorb wireless radiation.

In April 2012, the American Academy of Environmental Medicine (AAEM) – a national organization of medical and osteopathic physicians – concluded that, “genetic damage, reproductive defects, cancer, neurological degeneration and nervous system dysfunction, immune system dysfunction, cognitive effects, high blood pressure, diabetes, depression, insomnia, memory problems, infertility, hormonal imbalances, brain disorders, heart complications, protein and peptide damage, kidney damage, and developmental effects have all been reported in the peer-reviewed scientific literature.”

A study recently published in the Swiss science journal International Journal of Environmental Research and Public Health has found that radio frequency electromagnetic radiation (RF-EMF) from cell phone towers can cause diabetes.

Exposure to cell phone radiation actually also cause many other diseases and health conditions including blood-brain barrier hearing nerve tumors (acoustic neuroma), salivary gland tumors, thyroid cancer, melanoma, stem cell cancer, parotid malignant tumors, lymph node cancer, eye tumors, leukemia, breast cancer, sperm damage and testicular cancer among others.

Millions of people in Germany complain of all kinds of nervous disorders and of a new common illness, called "burnout syndrome". A survey in 2014 found that 82% of the population is now affected by the burnout syndrome epidemic – apparently due to intense widespread electromagnetic radiation from cell towers and wireless devices.

Microwave radiation can activate VGCCs (voltage gated calcium channels) in brain cells, which increases intracellular calcium, which can cause neurological diseases by disrupting synapse formation. Wireless radiation activating the VGCC and increasing intracellular calcium leads to degradation of proteins in the tight barrier junctions needed to maintain the integrity of the blood-brain barrier, which leads to many neurodegenerative diseases (e.g. Alzheimer's and dementia). With enough exposure to increasing intracellular calcium, spines can actually disappear, and end up with neurons that are missing synapses completely, so neurons are not connected to each other anymore.

“Cell phone safety is currently evaluated with a twenty-year-old plastic model of an adult male head filled with a liquid that is supposed to mimic the human brain. During those twenty years, the same technology that has revolutionized cell phones has redefined the way we model human biology. Why aren't we using the most advanced technology to protect the safety of our children? Why are we still modeling their delicate, developing central nervous system with an adult sized bucket filled with imitation brain juice?”

Devra Davis, PhD, MPH, president of Environmental Health Trust, is seriously concerned about the future of humanity. Our children are being exposed to a level of ‘unnatural’ microwave radiation which damages DNA (irreparable genetic mutations which are passed on to all future generations) and inhibits cellular repair – which leads to cancer. This is truly an unproven, mad experiment on humans with dire health consequences.

Recommendations for Action

Please remember to submit your comment on electrical pollution to the FCC Noise Docket. More information can be found in <http://www.saferemr.com/2016/08/fcc-needs-input-regarding-allocation-of.html> and on the News page at www.electricalpollution.com. The deadline is September 30, 2016.

Continual exposure to high-frequency electromagnetic radiation from wireless devices may eventually lead to irreversible hypersensitivity to EMF. Every effort should be made to reduce EMF exposure. Wi-Fi, smart meters, and cell towers should everywhere be removed. Cordless DECT telephones emit far more dangerous electromagnetic radiation than cell phones and should be replaced with corded telephones. Wireless computer accessories such as printers, mice, keyboards, and routers should be replaced with devices hardwired to the computer.

Observations of trees damaged by cell tower radiation should be photographed and reported to local newspapers and authorities.

January 2011 California's Marin County's Board of Supervisors passed an ordinance banning smart meters. See

<http://www.sfgate.com/business/article/Marin-County-supes-OK-moratorium-on-SmartMeters-2462436.php>

Other counties and municipalities should be encouraged by their constituents to ban Wi-Fi networks as well as smart meters.

One step towards an EMF-free residence is to replace cordless DECT phones with corded models. Walmart sells AT&T's CL4940 corded telephone with answering system and caller ID for \$32. Don't use Wi-Fi for internet. Hard wire your Internet connection and buy a router with no wireless capacity or disable it. Disable Wi-Fi on your laptop or tablet via the control.

Professor Olle Johansson of Sweden, a recognized international expert in EMF radiation who has spent three decades researching this area, summarizes our current situation in four simple points – paraphrased for brevity:

1. Non-thermal health effects are demonstrated at levels significantly below existing standards.
2. Public safety standards are obsolete and inadequate for prolonged, low-intensity exposures.
3. New standards are urgently needed.
4. It is not in the public interest to wait.

Comparisons of exact wireless radiation levels are made between cell phones, Wi-Fi, smart meters, wireless computers, etc. The bottom line is if a device can trigger the debilitating symptoms of those few people suffering from hypersensitivity to electromagnetic fields, then its sale should be prohibited.

Photographs of Trees Damaged by Cell Tower Radiation in Germany

From: Pamela

To: Essentia

Sent: Tuesday, September 06, 2016 12:26 AM

Subject: Re: Fw: 10 year study of impact of wireless technology on 600+ trees in Bamberg, FRGermany - Baumstudie

Thanks! This is so significant!

When I worked at BNR (Bell Northern Research), there was an old story about how microwaves damaged some Douglas fir in BC. This was probably in the late 70's or early 80's.

The explanation I heard is that the lengths of the fir needles were just right to act as antennae for that particular microwave. The result is that nodules formed on the roots of the trees and prevented proper nutrient uptake from the soil. The trees did not look so healthy.

When the microwave was redirected away from the trees, the trees recovered.

Pamela

On Mon, Sep 5, 2016 at 1:12 PM, Essentia <essentia@essentia.ca> wrote:

More than 600 trees photographed in Bamberg, Federal Republic of Germany, between 2006 - 2016 viz cell tower emissions – certainly an indicator why parts of trees, alignment of trees in the Laurentians tourist region viz cell tower emissions, etc are so injuriously affected – as noted by local very pre-occupied residents and their municipalities.

To view dozens of images in English click on

<http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/09/Trees-in-Bamberg-and-Hallstadt-Documentation-2006-2016.pdf>

Andrew Michrowski

On 27 June 2008 dead branches were observed on the left side of the maple. Visual contact was given to phone mast Landsknechtstr. 23 (height 14-17 m, 6 sector antennas) in a distance of 142 m.

From: Christine <
@web.de>

Date: Sat, Sep 3, 2016
at 5:43 PM

Subject: Fwd:
Baumstudie

FYI

Trees are
electrosensitive!
Best wishes,
Christine



View from the west

On 5 october 2015 parts of the left side had been cut off. In the middle the tree was transparent and brown. The right side had dense, green foliage. Measurements with the help of a telescopic rod.

15/09/24

15/10/09

420 $\mu\text{W}/\text{m}^2$

3800 $\mu\text{W}/\text{m}^2$

354 m

On 24 September 2015 the right side was brown and had already lost leaves. .

On 9 October 2015 the right side was leafless. The phone mast had now 18 sector antennas.

12/04/25

12/04/25

12/04/25

30 $\mu\text{W}/\text{m}^2$

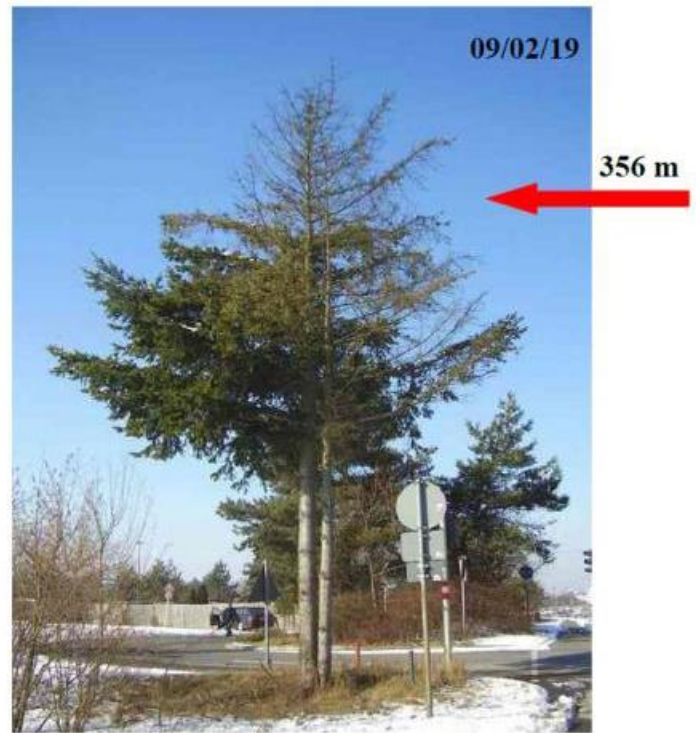
910 $\mu\text{W}/\text{m}^2$

On 25 April 2012 the power flux density on the left side was in the range between 30 and 130 $\mu\text{W}/\text{m}^2$, on the right side between 360 und 1600 $\mu\text{W}/\text{m}^2$. The tree attenuates the radiation.

Douglas fir, B22/Strullendorfer Straße (2007-2014)



View from the south to the Douglas fir and phone mast Gutenbergstr. 20. On 24 July 2007 an unusual distribution of damage was seen.

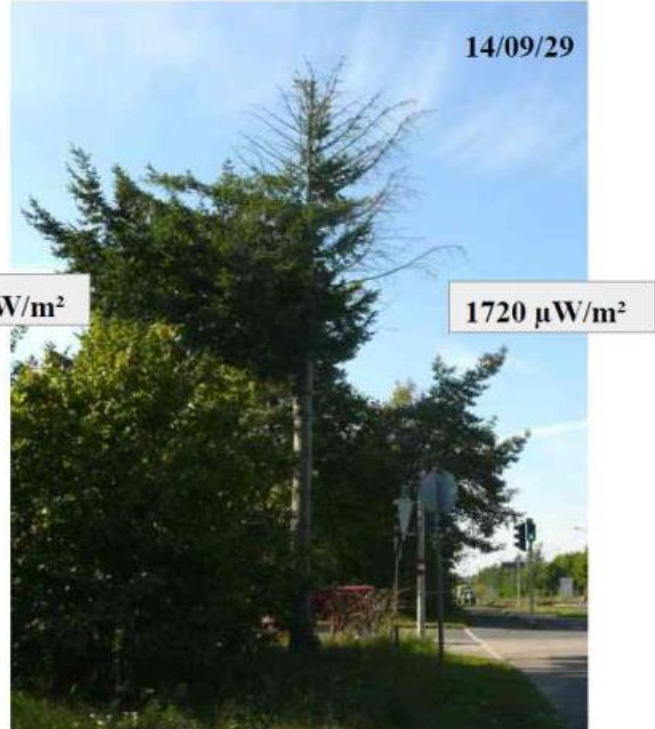


View from the southeast to the Douglas fir. The tree had lost its needles in the upper part and on the right side.



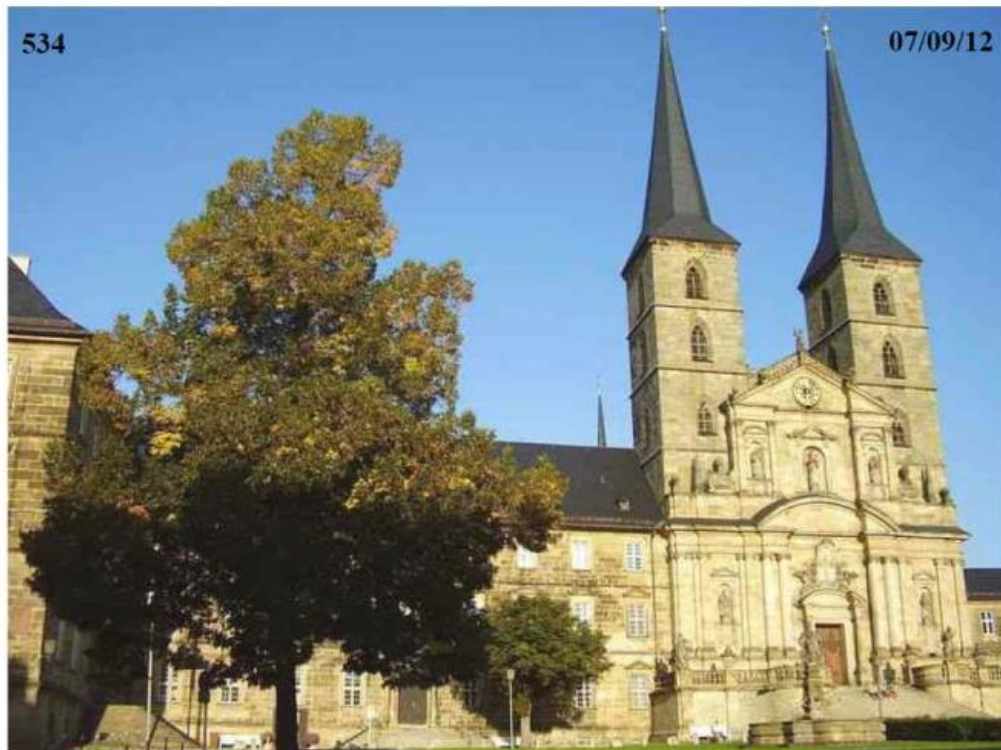
Increase of needle loss.

Heat, frost, drought, compaction and sealing of the soil, road salts, air and soil pollutants, diseases or pests cannot explain this “three-quarter-illness”. RF-EMF from phone mast Gutenbergstr. 20 (height 39- 46 m, 22 sector antennas) reach the Douglas fir. Measurements on 27 September 2015.



Needles only in the lower quarter on the left.

Lime tree, Michelsberg Monastery (2007-2012)



View from the west

On 12 Sept. 2007 beginning crown transparency was seen. Some leaves turned yellow too early. A phone mast is situated in the roof of the former monastery. The RF-EMF hit the lime tree. The chestnut in the background, which is located in a radio shadow, is still green



On 19 August 2012 holes were noticed in the upper crown. The chestnut was healthy.

Birch trees on the bank of the river Regnitz (2009-2013)



231

09/09/16

217 m



Concert and Congress Hall of the „Bamberg Symphony Orchestra“ with phone mast

View from the southwest to the eastbank of Regnitz. Crown transparency at both birches. The upper half of the left birch had severe damage. From the left side (northwest) RF-EMF (main beams of two 130°- sector antennas) hit the left birch. Phone mast Concert and Congress Hall: height 25 m, 6 sector antennas.



16/07/06

13/08/02



In August 2013 the left birch was felled. Crown transparency at the right birch. In 2014 the phone mast on the Concert hall had been enlarged to 21 sector antennas. In April 2016 it was shocking to see that more trees along the river had been cut down.

New Proof Mobile Phones Make You Lose Your Memory

Is there a cell phone problem?

(From Oct. 31, 1999 London Mirror News newspaper)

NEW PROOF MOBILE PHONES MAKE YOU LOSE YOUR MEMORY

New evidence has emerged that mobile phones damage long-term memory. It follows Sunday Mirror News revelations that British Telecom is being sued by an ex-employee who claims using the phones has made him senile at 38.

One of America's leading experts on mobile phones – Dr. Henry Lai of the University of Washington – conducted tests on 100 rats in a £70,000 project into the possible effects of mobile phones.

He filled a large tank with water and taught all the rats to swim to a platform in the middle for safety. The 'lesson' was repeated six times to make sure it was stored in the rats' long-term memory.

Half the rats were then exposed to microwave radiation similar to that emitted by mobile phones. And while the 'normal' rats later found the platform with no problem the 'exposed' rats had forgotten where it was.

Dr. Lai said from America last night: "The long-term memory of virtually all the 'exposed' rats appeared to have been affected."

Previous studies have already linked mobile phones with short-term memory loss and confusion.

But Dr. Lai's findings – which will shortly be published in a US medical journal – are the first to cast doubts on long-term memory.

He said: "It is a completely different thing.

"Short-term memory loss is just being unable to remember something which you have just done or glanced at.

"Long-term memory is something which has been learned or recalled and stored in the brain.

"The data from this latest study is certainly a cause for concern."

The Sunday Mirror revealed in April that former BT engineer Steve Corney was taking the company to court claiming he now suffers premature dementia.

He said: "Five years ago seems like last week to me because I can't remember what's gone on in the meantime." BT denies the claim.

Meanwhile, the House of Commons Science and Technology Committee has demanded the Government put extra cash into mobile phone research after finding only £60,000 was spent last year.

The Department of Trade and Industry is expected to announce its response in the next few weeks.

(End of article)

Cell phones essentially receive electromagnetic signals from a transmitter/receiver tower in the vicinity in exactly the same manner as a radio or television signal. Both transmitter in the tower and cell phones are tuned with a capacitor/inductor pair to a single very high carrier frequency. The transmitted signal carrying the voice from the caller at the other end is carried on the carrier frequency. This signal is very much lower in frequency and modulates the carrier frequency. The tuned carrier frequency with modulating voice signal is amplified within the cell phone around a million times and fed into the speaker in the cell phone so that it can be heard.

To transmit voice from the cell phone, the cell phone uses the electrical signal from the microphone to modulate an internally generated very high frequency electrical signal which is not on the same frequency as the incoming carrier's frequency. The modulated internal carrier is fed to the phone's transmitter. The transmitter amplifies the carrier around a million times and feeds it to the phone's antenna. The signal radiated out to be picked up by the receiver in the transmitter/receiver tower is many, many times stronger than the electromagnetism of power lines, broadcast TV and radio waves, etc. Its strength in the vicinity of the head is much more comparable to a microwave oven or a radar, but still nowhere as strong as a microwave oven.

Assume the rat study is correct in its implications. Then the broadcast signal from cell phones is strong enough inside the brain to either disrupt molecules which form memory, or disrupt electrical fields which constitute memory. There also might be some Crazy Land phenomena involved here similar to Norm's Genesis machine tuning a human body back to that state which is specified by its genetic blueprints, but opposite in its effects. That is, the phone's broadcast signal is disrupting the brain that is genetically specified, of which memory loss is an easily measured effect. If memory is being lost, then they may also be more subtle damages such as personality changes, ability to concentrate and be sociable, and greater vulnerability to brain cancer in the vicinity of the ear. There were some anecdotes reported of such brain tumors a couple of years ago.

From: Gary Vesperman <vman@skylink.net>
To: John Schnurer <herman@antioch-college.edu>
Date: Sunday, May 12, 2002 6:04 AM
Subject: Cell phone safety invention

John,
Did you ever do anything with your cell phone safety invention?
Gary

Your Mobile Phone Might Cause Cancer!

From: drgil@excite.com
To: h@skylink.skylink.net
Subject: Brain Cancer Victim Sues Cell Providers
Date: Sun, 12 May 2002 07:44:01 +0200

Your Mobile Phone might Cause Cancer!

Studies have shown that electromagnetic waves that come from your cell phone may be correlated to Brain Cancer.

In May 2000 A large US media outlet performed a test. They took the 5 most popular phones sold in the US and tested them at a highly respected German laboratory. Four out of five phones tested were above the radiation limit. The world's largest Cell Phone Manufacturers have patented devices to reduce the risk of Brain Tumors, yet they insist on rejecting claims of any health hazards from using mobile phones.

It will take thousands of tests and many years before the effects of electromagnetic radiation on the human body is known.

Just Like It Did With CIGARETTES!

Don't be the phone company's guinea pig. Protect Yourself Today!

We sell a product that helps reduce harmful electromagnetic radiation from your head. It is brand new, patented, easy to install, easy to use, fits every phone made, and very affordable. If you are interested in Cell Phone Safety or would like more info about our New Cell Phone Anti-Radiation Shield, please email me at safecells@btamail.net.cn with the subject "safety" or click below
mailto:safecells@btamail.net.cn?subject=safety

From: Gary Vesperman <vman@skylink.net>
To: John Schnurer <herman@antioch-college.edu>
Date: Friday, July 19, 2002 10:44 PM
Subject: Are cell phones harmful?

John,
Is this true?
Gary Vesperman

From: massamannapada@flash.net
To: hills@skylink.skylink.net
Subject: Does Your Phone Cause Cancer
Date: Sat, 20 Jul 0102 03:39:12 -0600
7538CinD0-707iOPe2857aUxG9-894kw130

Dear love,

Do Mobile Phones Cause Cancer!

Studies have shown that electromagnetic waves that come from your cell phone may be correlated to Brain Cancer.

On our website we offer a link to Nokia's actual patent on a device that shields the human head from cell phone radiation. Still people insist on rejecting claims of any health hazards from using mobile phones. Scientists are now reporting that cell phones might emit a dangerous radiation.

Don't be the phone company's guinea pig! Protect Yourself Today!

There are press releases on our site that will SHOCK every cell phone user!!!!

We sell a product that helps reduce harmful electromagnetic radiation from entering your ear. It is brand new, patented, easy to install, easy to use, fits every phone made, and very affordable.

Visit us online at <http://www.como-vender.com/shields>

We are currently having a Special.
Buy 3 get 1 FREE
<http://www.como-vender.com/shields>

Wi-Fi Calling, Cellular Signal Boosters, and More

Whether by carrier fault or signal-blocking materials within your home, poor mobile phone signal strength is frustrating, and may be downright infuriating after a strip of dropped calls. Whatever the cause, the good news is that there are relatively simple measures you can take to boost signal strength.

Wi-Fi Calling

The easiest and most effective solution to implement is Wi-Fi calling. Common in phones sold after 2013, Wi-Fi calling is a feature that enables the transmission of calls and text messages over Wi-Fi networks with nothing more than a standard home router and a stable internet connection. The feature is inherent in all iPhones following the 5c and is supported by the majority of contemporary Android phones.

Once enabled, the phone seamlessly transitions between the cellular and Wi-Fi network, depending on the signal strength, so that when your phone is connected to Wi-Fi and detects a poor cellular signal, it will automatically transition to the Wi-Fi network, sending calls and texts through Voice over Internet Protocol (VOIP). Stepping outside of the Wi-Fi network's range will have a reverse effect, handing back service to the cellular provider without any interruption. It's all very convenient, especially because contemporary Wi-Fi calling no longer depends on third party apps; however, the function's usability is contingent on whether or not your cellular carrier supports it. In the United States, AT&T, Verizon, Sprint, T-Mobile, MetroPCS, and Vodafone do.

To enable Wi-Fi calling on an iPhone, selecting Settings > Phone > then check off Wi-Fi Calling. Androids often house it within Settings > Wireless and Networks > More > Wi-Fi Calling. But bear in mind that because the Android OS is open source, it can be customized by the phone manufacturer, so the setting might not reside within the default directory.

http://www.electronicproducts.com/Passive_Components/Antennas/3_ways_to_easily_boost_your_mobile_phone_signal_at_home.aspx

A Reminder to Submit Comments to FCC & Links to Spread on Social Media

From: Webmaster <webmaster@electricalpollution.com>
Date: Thu, Aug 11, 2016 at 10:00 AM
Subject: A reminder & links to spread on social media
To: Webmaster <webmaster@electricalpollution.com>

Please remember to submit your comment on electrical pollution to the FCC Noise Docket. More information can be found on the News page at www.electricalpollution.com.

Remember the more popular RF and health related articles become the more of them there will be. You can make them more popular by visiting the page to read the article, posting the links on social media so others will also visit, and generally driving more web traffic to them. This achieves two things: One, more awareness, and Two, more coverage. News organizations cover news that generates more buzz more.

The Environmental Health Trust has an excellent article on the findings of the National Toxicology Program RF carcinogenicity study. Please share it with friends, relatives, doctors, and public officials.
<http://ehtrust.org/science/facts-national-toxicology-program-cellphone-rat-cancer-study/>

Write a Letter to the Editor for your local paper to get the word out in your community. Here is a link to one such Letter to the Editor:

http://host.madison.com/ct/news/opinion/mailbag/catherine-kleiber-change-broadband-use-policy-to-reduce-cancer-risk/article_55b9dcba-52b6-5dca-84af-934ecf068c37.html

Finally, RF health effects are not the only reason for hospitality-related businesses to stop providing Wi-Fi and block wireless signals. The news programs covering this pub story were incredulous that anyone would go to a pub without wireless service. If you feel like letting them know why you would love to find a pub without wireless, that would be great! They really need to start covering RF health effects.

Please visit the following links to find out more:

NPR: At This English Bar, An Old-School Solution To Rude Cellphones

<http://www.npr.org/sections/alltechconsidered/2016/08/06/488864179/at-this-english-bar-an-old-school-solution-to-rude-cellphones>

As It Happens:

<http://www.cbc.ca/radio/asithappens/as-it-happens-tuesday-edition-1.3713471/bar-owner-blocks-cell-phone-signals-to-force-patrons-to-interact-with-each-other-1.3713473>

Covering 5G:

<http://www.latimes.com/business/la-fi-cellphone-5g-health-20160808-snap-story.html>

This story does question the safety of 5G somewhat, but...

Gotta love the last few lines of this story:

“Kheifets, the UCLA professor, said it’s not “realistic or warranted” to slow down or halt 5G deployment to wait for more research, as some wireless safety advocates have demanded.

But certainly, as you are deploying new stuff, one should be measuring changes in exposure and looking at human health [effects] at the least,” she said."

Isn't that, by definition, experimentation without consent and strictly against the Nuremberg Code of Ethics?

Protecting my health and that of others by using a hardwired computer in a low RF environment. For more information, see www.electricalpollution.com

EMF-Omega-News EMF-Omega-News 13. August 2016

From: "Klaus @online.de [emfrefugee]" <emfrefugee@yahooogroups.com>

Sent: Friday, August 12, 2016 10:30 PM

Subject: [emfrefugee] EMF-Omega-News EMF-Omega-News 13. August 2016

Dear Sir, Madam, Ladies and gentlemen, dear friends,

For your information.

Best regards,

Klaus

Citizens' Initiative Omega

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 24

September 17, 2016

Sometimes the links are missing. You can always find them here: <http://www.buergerwelle.de/en/>
<http://www.buergerwelle.de/en/news/newsletter/>
<http://www.mastsanity.org/health-52.html>
<http://electromagnetichealth.org/category/electromagnetic-health-blog/>

The Health Crisis Of Our Time

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7541/>

5G cellphone technology will employ much higher frequency microwaves than current cellphone technology

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7534/>

Cell Towers and Cellphones: Microwave Radiation, Electromagnetic Pollution, Impacts on Human Health

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7538/>

'Hearing, eyesight, body functions, memory, all fading: Am I disappearing?'

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7533/>

US presidential candidate Jill Stein thinks Wi-Fi is a threat to children's health

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7536/>

Campaigner wants Wi-Fi in schools banned due to health concerns

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7540/>

News from Mast Sanity

<http://tinyurl.com/2vhcbl6>

<http://tinyurl.com/aotw3>

Our links:

<http://tinyurl.com/yjpu7wg>

<http://tinyurl.com/93epp>

<http://tinyurl.com/9w2sx>

<http://tinyurl.com/aotw3>

<http://tinyurl.com/oya9t>

<http://tinyurl.com/jyemw>

<http://groups.yahoo.com/group/EMR-EMF/>

<http://groups.yahoo.com/group/emf-omega-news/>

Note: Editor and responsible for the content: Citizens' Initiative Omega. Our messages are the result of many hours of daily research, roundup and editing.

If you have information which you would like to share with your friends and colleges around the world and which are from common interest, please send us this information, we will send them out.

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Los Angeles Times Questions Whether 5g Cellphone Technology Is Dangerous

From: Joel MOSKOWITZ

Date: Mon, Aug 8, 2016 at 2:21 PM

Subject: Los Angeles Times questions whether 5G cellphone technology is dangerous

To: CHE-EMF

My comments:

5G cellphone technology will employ much higher frequency microwaves than current cellphone technology, 2G, 3G, and 4G. These microwaves, known as millimeter waves, won't penetrate building materials like the current technology which is why industry may need one cell antenna base station for every 12 homes.

But these waves can still penetrate our skin.

When the LA Times reporter contacted me for the story below, I did a quick search and found three recently published articles examining biological effects of millimeter waves (see references below). This form of microwave radiation is most likely to affect our skin and neuronal cells in the upper dermis.

Moreover, widespread adoption of 5G technology in the U.S. may have profound effects on our ecosystem by altering bacteria, possibly creating harmful bacteria that are resistant to antibiotics.

History has proven that we cannot trust the FCC and the FDA to protect our health from microwave radiation exposure.

The FCC has ignored the 800-plus submissions that call upon the agency to adopt more rigorous radiofrequency standards to protect the public. Instead the agency maintains its 20-year old standards that only control for heating or thermal risks. The FDA has ignored the thousands of studies that find nonthermal biologic effects, and the human studies that find a wide range of health effects including increased cancer risk and reproductive harm from exposure to low intensity microwaves.

Clearly, more research is needed as specific characteristics of the millimeter waves (e.g., pulsing, modulation) used in 5G technology may be more important than the frequency or intensity of the waves in terms of biologic and health effects. The research funding must be independent of industry as conflicts of interest have been found to undermine the science in this field.

For an unbiased summary of the partial findings of the National Toxicology Program study of cell phone radiation cancer effects, see <http://www.saferemr.com/2016/05/national-toxicology-program-finds-cell.html>.

In my opinion, precaution is warranted before unleashing 5G technology on the world. I suspect most of the 221 scientists who signed the International EMF Scientist Appeal (referenced in the article below), would support this assertion.

Is 5G Technology Dangerous? Early data shows a slight increase of tumors in male rats exposed to cellphone radiation

Jim Puzzanghera, Los Angeles Times, Aug 8, 2016

As wireless companies prepare to launch the next generation of service, there are new questions about the possible health risks from radiation emitted by cellphones and the transmitters that carry the signals.

Concerns about the potential harmful effects of radiofrequency radiation have dogged mobile technology since the first brick-sized cellphones hit the market in the 1980s.

Industry and federal officials have largely dismissed those fears, saying the radiation exposure is minimal and that the devices are safe. Incidences of and deaths from brain cancer have shown little change in recent years despite the explosion in cellphone usage, they note.

But the launch of super-fast 5G technology over the next several years will dramatically increase the number of transmitters sending signals to cellphones and a host of new Internet-enabled devices, including smart appliances and autonomous vehicles. And the move to the new technology comes after unsettling findings from a long-awaited federal government study of the cancer risk from cellphone use.

National Toxicology Program researchers released preliminary data in May that showed small increases in tumors in male rats exposed to cellphone radiation.

The rats were exposed to nine hours of radiation daily, in 10-minutes-on, 10-minutes-off intervals, over their whole bodies for two years. The researchers found increased incidences of rare brain and heart tumors starting at about the federally allowable level of cellphone radiation for brain exposure, with greater incidences at about two and four times those levels.

Extrapolating the results to humans gets complicated, and there were some puzzling findings as well. Why, for instance, did only male rats show increased tumor rates, and not females? Final results from the peer-reviewed study won't be released until at least the end of 2017.

The study, which the American Cancer Society said marked “a paradigm shift in our understanding of radiation and cancer risk,” reignited debate about the potential harmful effects of cellphones on human health.

The concerns are amplified by the explosive growth in the number of cellphone subscribers over the last three decades and the increasing amount of time people are using mobile devices amid the popularity of social networks and streaming video.

Now, some experts and wireless-safety advocates are calling for more research as the nation prepares to take the leap into a 5G world that promises to offer more and faster services. And they are reiterating advice — echoed by federal officials — about steps concerned consumers can easily take to reduce their exposure to radiofrequency radiation, such as using a headset to keep the phone away from their heads.

“I don’t think it’s clear that there are health risks, but it’s also not clear that there are no health risks,” said Leeka Kheifets, an epidemiology professor at UCLA’s Fielding School of Public Health who has studied the health effects of cellphone use.

The National Toxicology Program study “was just an indicator that more and better research is needed,” she said.

Last month, the U.S. became the first nation to allocate a large swath of airwaves for 5G. Those services could be available to consumers by 2020, offering transmission speeds at least 10 times faster than today’s 4G.

The Federal Communications Commission voted unanimously to allow wireless providers access to high-frequency airwaves that have had limited uses because they can’t carry data very far.

Technological advances have made it possible to expand consumer wireless services into those airwaves. But to use the spectrum, wireless companies will have to install thousands of small base stations — some just the size of smoke detectors — on utility poles and buildings to pass the signals along.

The industry will spend about \$56 billion to develop, test and deploy 5G services in the U.S. through 2025, according to IGR, a wireless market-strategy consulting firm.

There were about 308,000 wireless antennas on cell towers and buildings at the end of last year, double the number there were in 2002, according to CTIA, a leading wireless trade group.

It’s unclear how many smaller base stations would be needed for 5G service. But it’s widely believed that there would need to be exponentially more because of the limited distance the signals can travel. One researcher estimated a station would be needed for every 12 homes in a dense urban area.

The prospect of more transmitters emitting radiofrequency radiation — though at much lower levels than those coming from cell towers — has alarmed people concerned about the effects on humans.

The move to 5G presents additional concerns because there will be more energy in signals traveling over the high-frequency spectrum and the smaller transmitters will be closer to where people live and work.

“There is a big concern with the previous technology and it’s just being made worse with 5G,” said Kevin Mottus, outreach director for the California Brain Tumor Assn., who attend the FCC meeting and unsuccessfully attempted to ask officials about the health effects.

“These are microwave transmitters and the closer you are to them, the more problems,” he said.

Desiree Jaworski, executive director of the Center for Safer Wireless, a nonprofit organization that educates the public about the potential hazards of wireless radiation, said 5G signals will be harder for people to avoid.

“Right now, you don’t have to live next to a cell tower. If you’re concerned about it, you can move away,” she said. “But once they have these cell antennas everywhere, you won’t be able to do that.”

The FCC shares responsibility for the safety of cellphones with the Food and Drug Administration and sets maximum allowable levels for safe exposure to radiofrequency radiation — known as the specific absorption rate — that devices sold in the U.S. must not exceed. The FCC also regulates the exposures from base stations transmitting wireless signals.

In 2013, the FCC opened a formal inquiry into whether it needed to reassess its exposure limits. That proceeding remains open, the agency said.

“Scientific evidence always informs FCC rules on this matter,” said spokesman Neil Grace. “We will continue to follow all recommendations from federal health and safety experts including whether the FCC should modify its current policies and RF exposure limits.”

The FDA said it “believes that the weight of scientific evidence does not show an association between exposure to radiofrequency from cellphones and adverse health outcomes.” But that agency said more research is needed.

In 2011, the International Agency for Research on Cancer, which is part of the World Health Organization, classified cellphone radiation as “possibly carcinogenic to humans.” There are 288 other “agents” with that classification, including many chemicals as well as talc-based body powder and traditional Asian pickled vegetables.

The organization said research at the time was limited, and it did not classify the radiofrequency radiation as cancer-causing or probably cancer-causing.

CTIA said the health of Americans is its “paramount” concern and that the industry follows the guidance of government experts.

“The FCC has determined that all wireless phones legally sold in the United States are ‘safe,’” the organization said in a written statement.

The FCC is “developing guidance” for the industry on compliance with radiation safety standards of phones and other equipment that would use 5G airwaves, CTIA said.

The wireless organization said “the larger scientific community” would consider the National Toxicology Program findings in the context of other studies.

The \$25-million study was requested by the FDA in 1999 and was conducted using second-generation cellphone technology.

The preliminary findings were released because “We felt like this was concerning enough because there was maybe some type of linkage” between cellphone radiation and cancer, said Michael Wyde, the project leader for the National Toxicology Program’s radiofrequency studies.

Wyde said it was up to regulators to take the study’s findings and determine if safety standards needed to be adjusted. “We’re mostly the first step in the risk-identification process,” he said.

Joel M. Moskowitz, director of the Center for Family and Community Health at UC Berkeley’s School of Public Health, said there needs to be more federal funding to study the possible radiation risks.

Last year, he helped organize a letter to the United Nations by more than 200 scientists worldwide who have studied the effects of exposure to cellphone radiation and other electromagnetic fields. The scientists want U.N. officials to take more steps to protect humans, particularly children and pregnant women.

One of the few 5G studies is starting in New Zealand. Researchers from Massey University will use modeling to determine the possible health effects of “many, many transmitters transmitting together,” said Syed Faraz Hasan, who heads that university’s telecommunications research group.

“I believe if we show that it is bad, we have room to tweak the technology, and if we show it is not bad, then users will be happy it is safe,” Hasan said.

Kheifets, the UCLA professor, said it’s not “realistic or warranted” to slow down or halt 5G deployment to wait for more research, as some wireless safety advocates have demanded.

“But certainly, as you are deploying new stuff, one should be measuring changes in exposure and looking at human health [effects] at the least,” she said.

<http://www.latimes.com/business/la-fi-cellphone-5g-health-20160808-snap-story.html>

Cell Towers and Cellphones. Microwave Radiation, Electromagnetic Pollution, Impacts on Human Health

By Joachim Hagopian

Global Research, August 10, 2016

Region: USA

Theme: Environment, Science and Medicine

“Electromagnetic pollution may be the most significant form of pollution human activity has produced this century, all the more dangerous because it is invisible and insensible.” — Andrew Weil, MD, bestselling author

We live in the information age when we’re bombarded every single day with incoming data to process and interpret whether it’s true or not. Because the government and mainstream media have an agenda of false narratives and disinformation propaganda to willfully keep people confused in the dark, the American public is starved for the truth and in record numbers has sought it from alternative media outlets on the World Wide Web.

To circumvent people from grasping the full implications of the ruling elite’s control agenda, hundreds of government shills and internet trolls have been deployed, saturating the net with the expressed purpose of muddying the waters, creating disinfo fog of war to obscure, bury and withhold vital information and knowledge from being accessed and fully grasped by the global masses. Additionally, the fast track pathway to global governance – the TPP and TTIP agreements – are geared to seal off Internet flow of lifesaving information that could increase global awareness and coalesce into worldwide resistance and opposition to New World Order tyranny.

CIA invented labels from nearly a half century ago like ‘conspiracy theory’ and its recent mutations like ‘tin foil hat’ and fringe element fanatics have methodically conditioned the public to discard and categorically deny the negative truth that exposes government perpetrators’ treasonous betrayal of American citizens as well as Empire’s global transgressions – especially since 9/11.

In actuality a conspiracy theorist is one who questions the statements of known liars. Speaking of known liars, George W’s admonition to disregard conspiracy theories was just the post-9/11 beginning to squelch the truth that makes him a guilty murderous war criminal of his own people. The same cover-up followed the inside job of the JFK assassination that his daddy played a part in, just like his daddy’s daddy financed Hitler. Unfortunately there’s nothing new about the US government murdering presidents who threaten status quo corruption as well as exterminating national populations to gain oppressive authoritarian control. Democide is the killing of citizens by its own government.

Six times more victims in the last century died from democide than fighting in all the century's wars combined that include humanity's two bloodiest ones on record. History repeats as the federal government's currently waging a not so secret war against the American people.

Chief among its formidable lethal arsenal is the feds' war to control our minds through propaganda, having been crafted and honed now for over a century. Shaping public opinion and perception of reality through any and all means necessary involves deceitful weapons of mass destruction manifesting 24/7 through insidious applications of social engineering, various CIA mind control techniques delivered by mass media propaganda, corporate controlled mass consumerism, and six oligarch-owned and operated mega-media corporations controlling the outflow of news and information.

This centralized global spigot spews out materialistic values, warped, distorted messages, dogma and false truths spoon fed globally for mass consumption as the not so covert means to manipulate, brainwash and control the human population. Twenty-first century technology has shrunk our planet into a global village of mass consumers to be pliantly manipulated and controlled. This presentation will outline how a sinister globalist agenda is using the incredibly powerful telecom industry as yet another WMD for mass mind control, soft kill eugenics and, when deemed most advantageous, a convenient fast kill, genocidal method for culling the human herd.

Over the last quarter century, cell phones have all but replaced the conventional landline telephone system. 91% of Americans from adolescent to adult ages utilize cellphones as their primary means of spoken word communication, often including texting and other online interactive options as well.

Much has been written about the paradoxical effect that wireless cellphones and tablets offer as convenient multimodal transmitters that both instantly expand our opportunity to interact with fellow humans within a readily accessible cyber-world while simultaneously alienating us from real time, face-to-face, eye-to-eye communication and real world human connection. Today a quick glance observation at any public setting – airports, libraries, doctors' offices – and the vast majority of people are seen busily interacting with their push button machines far more frequently than direct live conversation with even accompanying friends and family. Like lab rats compulsively pushing levers, people habitually check their cellphones over a hundred times a day. Hi-tech toy gadgetry has become the singular, most addictive device known to modern man. iPhones and Wi-Fi devices control how we increasingly preoccupy our daily waking hours more so than any other modern invention since the radio-television era.

For the last couple decades, countless scientific studies have been warning us of the serious damage being done to our brains and bodies as a consequence of our excessive cellphone habits. The radiation literally fries our neurons, alters our DNA with fractured strand breaks, and causes rising rates of brain cancer, tumors and associated other life threatening diseases. A new study from the British Medical Journal led by Dr. Enrique Navarro concludes that living near cell towers inhibits brain functioning, diminishes memory, disrupts the normal sleep cycle and causes widespread irritability. And an analytical review of all research conducted a half dozen years ago determined that 80% of all studies have determined that a direct correlation does exist between tower proximity and adverse symptoms, tumors and cancer.

The Federal Communications Commission (FCC), the governmental agency that regulates the telecommunications industry, has purposely maintained dangerously high tolerance for the Specific Absorption Rate (SAR) - 1.6 watts per kilogram, a radiation level standard that's literally killing people. Paid off with bribes by the largest telecom giants, the FCC has refused to accurately readjust to lowering its hazardous threshold to save lives despite the preponderance of research showing that it would. Instead at a public meeting last month at the FCC headquarters, the federal agency that's supposed to protect public safety showed its colors shutting down any dissenting voice.

Likewise, Washington has chosen to protect the multibillion dollar industry by historically refusing to fund research that might otherwise decisively reveal the truth and thus hinder telecom growth. The FCC allows the industry to hire its own bogus pseudo-scientists to fudge its own inconclusive data to falsely claim cellphone use poses no serious threat to human health.

Just as the FDA is a bought and paid for Big Pharma whore intentionally allowing damaging drugs on the market without adequate testing, and the EPA looks the other way when giant corps. like Monsanto spread deadly contaminants throughout our air, soil and water supply, corruption across all federal and state levels could care less about public health and safety, but instead blindly support transnational killers to ensure maximum profits are achieved at horrific human cost. These across the board policies are consistent with how the US government operates as a corrupt oligarchy acting on behalf of Fortune 500's special interests – not the people's, knowing a growing number of Americans are becoming sick, suffering and dying as a result of a government that's turned its back on its citizens. The cold hard facts clearly show that Washington is a fascist crime cabal at war with its own people, now eliminating us through slow death, soft kill methods that only pad telecom/Monsanto/Big Pharma/health industry profits.

True to form, the co-opted FDA, EPA, World Health Organization (WHO) and American Cancer Society have all gone public claiming that radiofrequency (RF) radiation from cellphones and cell towers carry no determined health effects. That said, in 2011 even the WHO's International Agency for Research on Cancer (IARC) conceded to classifying radiofrequency electromagnetic fields as "a possible carcinogen to humans." Then last October another recent study coordinated by IARC examined over 300,000 nuclear workers from US, UK and France and found even low-level radiation exposure over time increases the risk of cancer.

But from the American Cancer Institute's own website, it states that non-ionized radiation from cell towers and cellphones "do not directly damage the DNA inside cells." This is a blatant lie. Two decades ago pioneering scientist Dr. Narendra Pal Singh and Dr. Henry Lai empirically demonstrated that DNA single and double strand damage does occur at only 2.45 GHz radiation, a rate of one fifth the level producing previously known toxic biological effects and well below the so called FCC regulated "safe" levels that cellphones emit. Lai and Singh's valuable research supports the widely accepted (amongst honest observers) the very logical conclusion that cumulative DNA damage occurs over time from prolonged use of cellphones. Two years ago a peer review of 80 studies found that 92% showed that non-ionized radiation from cellphones do damage DNA. Yet the Cancer Institute chooses to continue living the lie.

Megras and Xenos found that five generations of mice exposed to extremely low RF rates from .168 to 1.053 microwatts per square centimeter sustained irreversible sterility. These relative low exposure amounts are equivalent to living near a cellular tower. Thus humans living, attending school and working so close to towers are being dangerously radiated, yet the current FCC safe standard remains at 579 microwatts per square centimeter, a full 500 times higher than what causes sterilization in mice. In a related study, males who carry cellphones on belt clips or in their pants pocket have a measured sperm count 30% lower than men who don't. The globalist overpopulation cheerleaders wouldn't have it any other way.

Sweeping all this established hard evidence under the carpet just like the tobacco industry perpetrated for decades has been but a temporary fix strategy that buys more time to sell more wireless products and build thousands of more towers. But just over two months ago for the first time in history even a US federal study under the National Institutes of Health confirmed what the prevailing body of honest researchers have indicated all along – that radiation emitted from chronic use of cellphones does in fact lead to rising cancer rates. The former head of NIH's National Toxicology Program (NTP) that performed the research study states that the findings between radiation exposure and rare forms of brain and heart cancers are definitely causally-connected. This NTP research is the most comprehensive and robust long term (2 years) investigation measuring varying exposure levels of radiofrequencies on rats ever conducted.

But this study applies only to simulated radiation emitted from chronic cellphone use only, not exposure to the radiofrequency waves dangerously released from massive cell towers at close distance nor other wireless devices commonly found in both the home and workplace.

Cellphone and cell tower radiation also lower immune systems and alter hormonal levels, adding further complications posing a serious detriment to human health. Still other recent studies from earlier this year for the first time are indicating that certain individuals experience physical pain accompanied by physiological bodily changes from tower signals at even low, regular levels. This finding validates the very real existence of a growing population of about 5% around the world who may be especially sensitive to wireless radiation. Their medical condition known as electromagnetic hypersensitivity (EHS) typically afflicts them with physical pain, headaches, nosebleeds, fatigue, insomnia, anxiety. Previously many uninformed and/or biased medical practitioners automatically dismissed individuals suffering from EHS as hypochondriacs. Lawsuits have generally ruled against those claiming EHS, citing medical literature that concludes it's merely a psychosomatic illness not caused by electromagnetic radiation. However, last August a French court ruled in favor of a victim complainant. EHS appears to be following the same path that Multiple Chemical Sensitivity Syndrome and Fibromyalgia Syndrome have undergone in their gradual acceptance within the medical community.

In order to provide service to millions of customers globally, cellphone companies have constructed cell towers and antenna towers across an entire overlapping region since the 360 degree radius of each tower only extends less than 25 miles. That's why thousands into the millions of towers have been springing up around the globe, especially in densely populated areas where cell phones are at peak use. The trade industry website WirelessEstimator.com lists an updated total amongst the top 121 telecom companies of 118,173 towers in the US. However, the same site maintains that the tower count as of 2009 that includes rooftop antenna transmitters and cell towers number 247,081, further admitting that there is no accurate count. Yet another site antennasearch.com has an updated US tally of 612,477, and 2,456,899 with wireless rooftop antennas included. Thus, the guesstimated range is enormously wide and for all intents and purposes unknown, but rapidly growing daily around the world.

Meanwhile, a wireless news site article from a year ago stated that due to exponential consumer demand for mobile data, Cisco estimates that by 2019 US mobile traffic will soar to 7 times its 2015 rate. This foretells a far denser concentration of yet even more harmful towers erected in ever-closer proximity to America's vast sprawling urban population, typically impacting and endangering America's youth in schools, adults in office buildings and families living in multistory apartment complexes.

In view of thousands of towers built next to or even on school grounds, a growing body of research on children and pregnant mothers is also producing extremely alarming results. Many public schools and universities are also being given cash bribe incentives to permit towers on their premises. Though some local parent and community advocacy groups are beginning to fight back, many education officials are choosing money over their own young people's health and well-being. Meanwhile, it's been shown that children absorb twice as much cell phone and tower radiation in the brain, up to three times in the hypothalamus and hippocampus regions, and their blood brain barrier leaks at the smallest traces of radiation. And incredibly kids' bone marrow takes in ten times the amount of harmful RF waves as adults.

Spiked rates of electromagnetic pollution and its devastatingly harmful effects on human health is a pandemic train wreck currently exploding across the USA and the entire world. And as a direct consequence of chronic, indiscriminate use over the last 25 years, rare forms of brain cancer are now beginning to skyrocket. Predatory telecom giants and bribed governments are exploiting the fact that this weapon of mass destruction cannot be felt as an odorless, tasteless, silent, invisible killer.

All of this is bad enough news, dumbing down citizens and making us ill at national levels, but it's just now becoming more widely known that a far more diabolical plan is presently in place that is zapping Americans with deadlier levels of radiation from cell towers than before. The most appalling realization is these dangerously higher levels of radiation emanating from weaponized cell towers have absolutely nothing to do with cell phone transmission, but everything to do with democide. They prove that the US government has shifted its soft kill eugenics plan to a faster hard-boil roast of the American population.

A former senior scientist from DARPA, the US deep state black ops research lab that channels all advanced technologies into military WMD's, recently went public alerting fellow Americans that the federal government is misusing lethal cell tower transmissions as an 'act of terrorism' against the US population. With a PhD from Princeton in computational physics and nearly three years at the DARPA Los Alamos National Laboratory, Dr. Paul Batcho is a more than credible source who knows what he's talking about. When he first began noticing high-powered radiation radiating from cell towers in his home in St. Petersburg and surrounding areas of central Florida and Tampa, he followed standard protocol contacting his previous employer DARPA along with DHS, informing them that he believes that the cell towers present a 'terrorist' threat. After his repeated attempts to alert authorities drew no response, Batcho contacted longtime activist-writer Dave Hodges of The Common Sense Show. The scientist has written:

These transmissions will cause harmful health affects in the form of enhanced microwave radiation illness. It is imperative that these frequency bands be measured and verified by an official source. These frequency bands do not exist naturally, and there is a technology targeting individuals. The verified measurement and existence of these RF band transmissions constitutes a terrorist act.

The FCC officially limits cell towers to 400 watts of energy output for cell phone data transfer. However, it's been reported that mammoth sized cables leading into a typical cell phone tower is capable of emitting far greater power, especially when equipped with amplifiers. This makes the enormous level of microwave radiation each tower can project a potential mega-death weapon. And this is the alarm that Paul Batcho is railing against. The death ray machine that each tower represents can generate enough juice to literally cook every human within its city limits. So if the elitist powerbrokers in control plant these WMD's strategically and so densely across America happen to desire the US population dead, or perhaps under the guise of an invading foreign enemy on American soil, these tower transmitters could conceivably eliminate the entire living population with several million towers at full wattage throttle.

Joachim Hagopian is a West Point graduate and former US Army officer. He has written a manuscript based on his unique military experience entitled "Don't Let The Bastards Getcha Down." It examines and focuses on US international relations, leadership and national security issues. After the military, Joachim earned a master's degree in Clinical Psychology and worked as a licensed therapist in the mental health field with abused youth and adolescents for more than a quarter century. In recent years he has focused on his writing, becoming an alternative media journalist. His blog site is at: <http://empireexposed.blogspot.co.id/>.

Water in Water Towers Covered by Cell Antennae

From: Angela < @gmail.com>

Sent: Saturday, August 13, 2016 7:25 AM

Subject: Water in water towers covered by cell antennas

Hi Everyone,

I arrived in my new city last week, and all the large water towers storing the city water are covered in many cell antennas. (Dr. Goldsworthy's research had shown that weak RF waves could tear cell membranes by removal of calcium ions in the way that RF waves have been used to 'condition' water by preventing calcium build-up in pipes)

I was concerned about drinking it so I asked Dr. Goldsworthy about how to make it safe, and he said boiling the water should destroy the RF conditioning effect on the water. (If the water tank was grounded then the effect would not be too bad.) Please see his email below and attachment with further explanations.

For more information about Electrosensitivity and Dr. Goldsworthy <http://www.es-uk.info/about/andrew.html>

From: Andrew Goldsworthy
Date: Sat, Aug 13, 2016 at 5:18 AM
Subject: Re: Water Recommendation
To: Angela < @gmail.com>

Hi Angela,

I would not be surprised if the water from the towers is conditioned by the radio waves, but if the tanks were made of metal and earthed it should screen the water inside so it may not be too bad.

Having said that, if you want to be sure of having no ill effects, you could boil the water since the conditioning effect does not survive boiling. It should therefore be OK for cooking or making hot drinks.

There could be a problem if you have lead plumbing though, because conditioned water will remove the lime scale from the pipes putting the water in direct contact with the lead. This is then free to dissolve the lead to put anyone drinking it at risk of getting lead poisoning. I am attaching the text of a one-page leaflet to be circulated at a public protest about the installation of wireless water meters in North London, which should put you in the picture, Please feel free to pass it on as you see fit.

If the possibility of getting lead poisoning is a problem for you, you should be able to remove the lead and other toxic metals released from the pipes by using a de-ionizing resin, either connected to the kitchen faucet or in a jug filter.

I hope this helps

Best wishes

Andrew

From: Ken
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Sunday, August 14, 2016 8:06 AM
Subject: Re: Water in water towers covered by cell antennas; explanation of how electrohypersensitivity starts

Gary,

Since most or all water towers are metal, and deeply grounded, isn't that really a Faraday cage for its contents?

Likewise our metal automobiles might be protecting us if we didn't bring our cell phones inside. Which is why I travel with mine switched off. I turn it on to check messages, but it remains off most of the time.

I have to stress economics and banking are the reason for most of this electronic insanity. Companies are too cheap to run telephone poles and string wires anymore. It's cheaper to just install a repeater tower every so often. This also cuts labor and material cost.

Ken

From: Karl
To: Deborah
Cc: 'Gary Vesperman' <garyvesperman@yahoo.com>
Sent: Sunday, August 14, 2016 8:38 AM
Subject: FW: Water in water towers covered by cell antennas; explanation of how electrohypersensitivity starts

Hello Deb,

Notice the below, boil to safe calcium.

What does the machine do as to grounding and relative to mitigating this?

If the result is positive what a marketing story.

Say hello, pass it up the line: Effect on keeping Calcium.

Gary is also the STC Librarian.
Cheers you both,

Karl

From: Gary Vesperman [mailto:garyvesperman@yahoo.com]
Sent: Sunday, August 14, 2016 10:50 AM
Subject: Fw: Water in water towers covered by cell antennas; explanation of how electrohypersensitivity starts

Ken and Patrick,

The attached file offers the clearest explanation I have seen so far of how continual exposure to electromagnetic radiation from wireless devices eventually leads to irreversible hypersensitivity to EMF.

All the more reason for me to personally reduce my own exposure to wireless EMF radiation by removing cell phone towers from Boulder City where I live and Wi-Fi from the convention halls where I work part-time.

I feel sorry for children who are constantly exposed to Wi-Fi in schools and libraries, cell towers, and wireless devices at home. All their massive exposure to EMF is already leading to a health catastrophe

Book Two has a prediction that half the US population will be suffering from electrohypersensitivity by 2017! (Note that the year of 2017 was based on a possibly erroneous projection dated 2006. Gary Vesperman)

My first EMF hazards book says that insurance companies are already modeling the cost of a brain cancer epidemic 2020-2030!

I have started adding a table of contents to the first EMF book plus a little editing and reformatting. I will add the attached file to the end of it. It will formally be posted as EMF hazards Book One.

Thanks so much for running my two websites!

Gary Vesperman.

From: Ken

Sent: Saturday, August 13, 2016 6:50 PM

To: Gary Vesperman, Patrick

Subject: Re: EMF Hazards Book Two is now linked at both of my websites; first two targets

Gary,

While I agree your research has shown the dangers of microwaves, I advise tempering your comments to the mayor about shutting down all cell towers. I'm presently in a small town that just lost all cell service and local businesses are in panic mode. Full shut down would be no different than Obama's political move of stopping the coal industry long before we had sufficient clean technology to replace the megawatts they were producing.

You know more about torsion field tech than I do, so I feel that might be better to promote, and get funded to become reality sooner than later, and thus offer an alternative to this massive microwave invasion we are all in. But then, do you know all the health aspects of torsion field? Have any studies been done?

And on a personal note, I had been dialoguing with a prospective investor presently in the hospital. She can't have a computer, but instead uses her Smart Phone by her bed for all business via SMS text. With Trona's cell tower down, I have to drive 26 miles to Ridgecrest to send or receive a cell text. America has shifted to a wireless economy, like it or not. A full stop is total chaos. Even the last time I used a taxicab, they swiped my debit card through their cell phone, instead of taking cash. And over in Los Angeles, I hear they are no longer wiring houses with telephone wires. A box is installed in the attic that uses the cell tower. So residents have that thing pinging the tower all night whether it's used or not, just like Smart Meters.

Ken

From: Patrick

To: 'Ken 'Gary Vesperman' <garyvesperman@yahoo.com>

Sent: Sunday, August 14, 2016 10:42 AM

Subject: RE: EMF Hazards Book Two is now linked at both of my websites; first two targets

Ken raises a good point:

We either somehow reduce the EM pollution, and food and water poisoning that we have created,

And hopefully die later than sooner,

Or

We walk away and start over...

Many people are just leaving the USA...

From: Patrick

To: 'Gary Vesperman' <garyvesperman@yahoo.com>; 'Ken

Sent: Sunday, August 14, 2016 10:57 AM

Subject: An interesting thought...

The biggest and number one problem in the world
That EVERYONE agrees on
Is:
Overpopulation
Everywhere.

So,
Maybe we should be asking:
How can we make money fast -
While at the same time
Killing off people that do not belong
Because they have a lower immune system...

After all:
Survival of the fittest!
And we can just
Let God sort it out.

From: Gary Vesperman [mailto:garyvesperman@yahoo.com]
Sent: Saturday, August 13, 2016 7:08 PM
To: Ken
Subject: Re: EMF Hazards Book Two is now linked at both of my websites; first two targets

Ken,

I lived without a cell phone for the first nearly 70 years of my life just fine.

I am wondering what Taiwan is doing without 1500 cell towers. Do you have any friends in Taiwan?

I have no knowledge of medical effects of the torsion field.

Gary

From: Ken
Sent: Sunday, August 14, 2016 11:24 AM
Subject: Population???

Having traveled this stretch in 115 degree weather, a hundred miles of NO CELL SIGNAL, one sure hopes the small air conditioned tin can one is riding in makes it to the next point of civilization. Microwaves, like cancer, kill over time. But raw nature can kill in a matter of minutes or hours.

Ken

Smart Toilets?

From: "Jenny"
To: ca-emf-safety-coalition@lists.sonic.net; yahooogroups <emfrefugee@yahooogroups.com>
Sent: Monday, August 15, 2016 9:48 AM
Subject: [emfrefugee] smart toilets?

My landlord just had a new toilet installed in my apartment. Ever since it was installed, I've been noticing the special kind of head pains that I associate with increased EMFs. I called the company that made the toilet, or at least talked to a person somehow associated with "the manufacturer" – she didn't want to say she worked for the company – and she said that there were no wireless components.

In the past, the landlord has gotten extremely exasperated about all my EMF and chemical sensitivities. So there's not much I can do without proof that the toilet is somehow connected to the wireless grid. The battery on my Cornet is dead so I can't check that way right now. Has anyone else experienced a similar reaction to a new toilet?

I often seem to have EMF reactions to things I'm not 'supposed' to react to, like the wires for the neighbors disconnected and removed satellite dish (which completely went away when I finally succeeded in getting the wires removed also) and the new fan the landlord had put in the old fridge that was here. That was unbearably painful and since I could not negotiate with landlord, I had to request that he remove the whole fridge (which he was happy to give to another tenant who needed one) and replaced it with my own mini fridge. Can't really think of any options re the toilet situation, since if the toilet does not have a wireless component that they're willing to talk about, I doubt that getting it switched to another brand would help, plus the landlord would probably evict me for acting in such a bizarre and irrational way. There are no tenant protections in play since I don't have a release, it's just month-to-month. Thoughts? (If you're tempted to write and say clearly it's all in my mind, you're welcome to your opinion, but I'd rather not hear about it.)

Jenny

Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation

From: Angela

Sent: Monday, August 15, 2016 9:56 AM

Subject: Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation

Please see attached 2 interesting papers.

1) Measurement of wireless radiation levels from various sources in a railway station in Stockholm, Sweden The exposure levels were high enough to cause various health effects including neurological ones (RF levels were high enough to open the blood brain barrier which protects the brain from toxins; this leads to neuronal death and brain damage, particularly the hippocampus which is the center for memory and learning) Areas that were particularly high were those areas near a base station (cell antenna installation)

The lead author of this paper is Dr. Lennart Hardell, Swedish oncologist and professor at Örebro University Hospital in Örebro, Sweden https://en.wikipedia.org/wiki/Lennart_Hardell

Dr. Hardell was a member of WHO IARC (World Health Organization Int'l Agency Research for Cancer) that classified wireless RF radiation as class 2B possible carcinogen in 2011, but now says this should be upgraded to a class 2A probable carcinogen now. <https://www.youtube.com/watch?v=w8H8Eg6FFRc&noredirect=1>

In 1985, he was one of the few scientists who said that Agent Orange was carcinogenic while Monsanto denied such claims <http://www.theguardian.com/science/2006/...> (In 2013, Agent Orange (made by Monsanto) was determined to increase chance of prostate cancer by 52%. Veterans from the Vietnam War were exposed to it. Agent Orange was used to spray large areas in Laos and Vietnam to clear forests in order to build bases. One million Vietnamese suffered disabilities or health problems as well as birth defects in children. <http://www.reuters.com/article/2013/05/1...>)

2) **Summary of the health arguments concerning cell phones and cell towers, including information from the American Academy of Pediatrics (AAP, representing over 60,000 US pediatricians), FDA, National Institutes of Health (NIH), US Dept of the Interior, EPA, and hundreds of scientists from around the world** – all of whom have expressed disagreement over the FCC's exposure guidelines which are outdated and based on the assumption that microwave radiation levels are safe as long as they are below thermal limits (i.e. not enough microwaves to burn or warm our flesh).

It is written by Dr. Ron Powell, a retired U.S. Government career scientist (Ph.D., Applied Physics, Harvard University, 1975). He worked for the Executive Office of the President, the National Science Foundation and the National Institute of Standards and Technology. For those organizations, respectively, he addressed federal research and development program evaluation, energy policy research, and measurement development in support of the electronics and electrical-equipment industries and the biomedical research community. He currently interacts with other fields on human health.

You can find other documents on wireless devices written by Dr. Powell here on Scribd: <https://www.scribd.com/document/291507610/>

Should Teamsters Union Demand Removal of Wi-Fi from Las Vegas Convention Halls?

From: James
To: "garyvesperman@yahoo.com" <garyvesperman@yahoo.com>
Sent: Monday, August 15, 2016 11:10 AM
Subject: Wi-Fi

Gary,
Prior to the Union taking a position in regards to Wi-Fi it would be pertinent to receive such an interest from a majority of the membership. Similar studies show that the food our membership consumes on a daily basis and fumes inhaled causes a host of ailments and danger that far exceeds the concerns related to Wi-Fi radiation yet may not be prioritized or even dismissed. I will place this concern on the agenda however for our next Craft Meeting.

James
Business Agent
TEAMSTERS LOCAL 631

On Mon, Aug 15, 2016 at 4:32 PM, Gary Vesperman <garyvesperman@yahoo.com> wrote:

Hi Jim,

When is the next 'Craft' meeting?

I assume I should prepare some remarks to the audience. How many minutes would I be allowed to talk? How specifically should I state my remarks?

I have a few convention co-worker friends whom I have blind copied and who are more or less familiar with my science research and writings. Would they be allowed to speak also if they wish?

I currently have two EMF hazards books posted on my two websites padrak.com/vesperman and commutefaster.com/vesperman.html. Last Wednesday I posted EMF hazards "... Book Two". I am about half done with adding a table of contents and some minor editing and reformatting to the first draft that was posted a Hazards of Cell Phones, Wireless Devices, Etc – Book Three 40 September 17, 2016

few weeks ago. That will be posted maybe later this week as "... Book One". The two books total around 400 pages. I am still receiving even more EMF reports. Maybe in another month or two I will feel justified in compiling them into an EMF hazards "... Book Three"?

I keep learning more and more about what I am finding to be a vastly more extensive subject than I was even aware of last winter. Very unfortunately I keep coming across statements and claims to the effect that the medical effects of electromagnetic radiation are growing into a public health catastrophe. For instance 10% (!!!) of the people in Europe are already disabled from the debilitating effects of electromagnetic hypersensitivity (EHS).

We should understand however that such statistical claims are obviously subject to interpretation. For instance to what degree should a person be ill before being classified as incapacitated from too much EHS? Still, either of my two EMF hazards books could be opened to just about any page and start reading some sometimes pretty awful stuff. And then there are the dozen or so additional EMF reports that I have posted in my two aforementioned websites. They are ALL alarming to read.

I finally understood just a few days ago that the accumulative effects of exposure to electromagnetic pollution is similar to the accumulative effects of for example dental X-rays and exposure to radioactive materials. So the less exposure to electromagnetic radiation, the smaller are our chances of eventually getting sick and disrupting the genetic integrity of our children, grandchildren and ALL FUTURE GENERATIONS.

To help convince you and our Local 631 colleagues that we have a really serious medical problem with electromagnetic radiation I inserted two images of red blood cells before and after a 90-second cell phone call: (They are in my EMF hazards Book Two.)

So basically I think Local 631 should do what it can to help reduce the exposure of our members to electromagnetic pollution by making sure they are not needlessly exposed to Wi-Fi in the convention halls.

An educational campaign about using smartphones and cell phones in such a way so as to reduce exposure of themselves and the people around them wouldn't hurt. In Europe there are actually TV commercials reminding people to hold their cell phones at least two feet away from their heads. There is a recommendation in one of my two EMF hazards books that smart phones should be at least "1.7 meters" from our bodies.

Forget about handing cell phones and smart phones to children to play with! Forget about exposing school children to Wi-Fi all day long every day they are in school! The United Kingdom even has a law forbidding children less than 18 years old to use cell phones.

I remember seeing in one of my two EMF hazards books a list of about ten practical tips on using cell phones and smart phones. If asked I could prepare a one-page handout for Local 631 convention workers.

However, the whole issue of how to properly protect ourselves from cell phones may become moot when (not if) cell phone towers are taken down. For example in 2012 Taiwan's legislature ordered the removal of 1500 cell towers.

Out of curiosity yesterday I emailed the tourist bureau (?) of Taipei, Taiwan's capital city, a request for information on how they are coping with the loss of cell towers.

As far as I am concerned if a convention wishes to turn on Wi-Fi DURING an actual convention, that is OK with me. However there always are a few of our members working during a convention. Those members however should be forewarned about the danger of working in the presence of Wi-Fi. Female workers who are pregnant or might be pregnant in particular should be warned not to work a convention that has Wi-Fi.

One issue I am wondering about is what to do about conventions that are contractually obligated to provide Wi-Fi?

If the computers in the Teamsters Local 631 office have wireless connections to printers, routers, mice and keyboards, my advice is to replace them with hardwired computers ASAP.

Full disclosure: I happen to be the inventor of a major advance in torsion field communications. The theoretical maximum capacity of torsion field communications is apparently 40,000,000,000 channels of three-dimensional holographic television through the entire Earth without attenuation at a speed of more than 1,000,000,000 times the speed of light. My two websites have links to my two books "Torsion Field School Network" and "Space Travel Innovations" of which half is about the torsion field. There also is a link to "Torsion Field and Interstellar Communications" which was written by a pair of Russian scientists. Fascinating material!

Obviously I have a personal financial stake in advocating the replacement of now obsolete and harmful electromagnetic communications with torsion field cell phones, a torsion field backbone of the Internet, torsion field TV and radio, etc.

Gary Vesperman
Local 631 Convention Journeyman
Boulder City, Nevada
702-435-7947

From: James
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Monday, August 15, 2016 6:40 PM
Subject: RE: Teamsters Local 631 should demand the removal of Wi-Fi from conventions

Gary,

The allowed length of time of any presentation is limited to 3 minutes. If the membership wanted to allow an extension of time it could be requested at the conclusion of the time allotted. While your knowledge seems impressive I highly doubt the membership will accept these theories as being relative to their interests. I will post the date of our craft meeting once it is chosen.

From: Ken
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Wednesday, August 17, 2016 10:29 AM
Subject: Re: Dr. Hardell, Dr. Powell: Health Impact of Cell Phones/Towers, other Wireless Radiation; Are RF fields weakening LV convention halls?!

Gary,

Section 15 of the FCC regulations limits the power available to the Wi-Fi band. I'm sure the Convention hall has multiple transmitters for full coverage, all within power limits at each station. FCC does regulate this rather strongly. Violators are shut down rather quickly. And all large hotels have to do the same thing.

It was back in the 60's that some hillbillies put monster amplifiers on their CB radios to talk to the other side of the state, but even they got caught and stopped.

FCC is a government agency and like all the rest loves to act like Nazi Gustapo at every opportunity. The regulation needs to change for anything to happen.

Cell towers at a slightly different frequency were allowed much higher power for some inexplicable reason. That would be the more dangerous of the 2. I suspect the Vegas convention hall is just like the Bradley International air terminal at LAX. They parked a cell tower just across the street from the building and aimed FULL legal POWER into it. Just so everyone gets a cell signal.

Ken

From: Erik < @powersintl.com>
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Monday, August 15, 2016 6:21 PM
Subject: Re: Teamsters Local 631 should demand the removal of Wi-Fi from conventions

Hello Gary,

I am uncertain if you are aware of this, but we do have a technology that nullifies all EMF within a mile or more, depending on the model.

The oscilloscope flat-lines...and the energy is converted from harmful to beneficial.

This means that these technologies can be safely used, and to potential human and environmental benefit, and hundreds of millions of dollars worth of infrastructure is not lost.

Although...there are better communications technologies than microwave...so there is that too.
I enjoy your mails sir...keep up the good work!

Warm regards,

Erik

Award Winning Documentary on Smart Meters – Free Until Tuesday!

From: Angela @gmail.com>
Sent: Monday, August 15, 2016 10:49 PM
Subject: Award Winning documentary on Smart Meters - free till Tuesday!

I just finished watching Josh's Award winning documentary on Smart Meters and wireless.

Stream TBYP for free now: www.takebackyourpower.net

It was excellent, and **free viewing only until midnight PT Tuesday August 16**. Sorry for the late notice – I just got this myself today.

The documentary showed increased risk of fires, vulnerability to cyberattack, increased utility bills, surveillance, invasion of privacy issues (personal data has been sold by utilities to 3rd parties), in addition to health effects with smart meters.

Smart meters transmit at least 10,000 pulses per day, at peak levels of 7.93 microwatts/cm² for one particular model. (One study showed children experience headaches, concentration difficulties, and behavioral problems at 0.05 micro-watts/cm². FCC's limit is 1000 microwatts/cm² for 30 minutes for 1.5 GHz and above which is based on thermal limits)

Film includes interviews with Blake Levitt (scientific journalist), Dr. David Carpenter (Harvard MD), Dr. De Kun Li (MD and researcher at Kaiser Permanente), Dr. Diedrich Klinghardt (MD).

Film shows images of negative changes in blood cells of people exposed to smart meter radiation, such as cell clustering and changes in shape of the blood cells. Also several inflammatory markers in blood, hormones, and neurotransmitters change negatively with wireless radiation exposure.

Also interviews with people who have suffered ill effects, including senior citizen who developed headaches, nosebleeds, and insomnia following installation of 12 smart meters on her bedroom wall; a family who developed fevers following smart meter installation, and

Cancer cluster among students and professors at San Diego State University from a cell tower installation.

7 people developed brain or other cancers and DIED – all at one point occupied room 131 or the room next to it at Nasatir Hall (skip to 1:05 to see this interview with the mother of one of the victims)

1996 Telecommunications Act, which forbids local governments from considering health impact in siting cell towers, though passed by Congress, was written with input by the telecommunications industry.

Angela

LED Lights – What Kind of EMF Do They Emit?

On 4 August 2016 at 21:31, Laura @hotmail.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

Hi

I've not been online or reading about EMF issues in some time. (Just dealing with them, sort of ineffectually) So I apologize in advance if this is a rudimentary question.

A friend's dad wants to install LED lights in his house, and she is concerned about the EMF's produced and shielding.

I have no idea what type of EMF the LED's produce. Do they have a switched mode power supply (seems a bit fancy)? Do they have transformers? Do they emit radiofrequency EMF or voltage harmononics (if that's the correct word)?

I only know people have had problems with LED's, but I'm not sure if it's because of the quality of visible light they emit, or is it due to magnetic fields, or RF, or dirty electricity production?

Thanks for any information you can offer. A quick search online didn't help that much.

Laura

From: "Peter @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Tuesday, August 16, 2016 6:13 AM
Subject: Re: [emfrefugee] LED lights - what kind of EMF do they emit?

Hello there,

Yes. I have had LED bulbs from Duracell (Model: 6.5W, similar to the attached picture) and one day when I had the portable radio on FM and switched on a lamp standing close to it the hissing was so much that I could not hear the music anymore. So it was giving off quite a bit of EMF/RF through the switching circuit inside the bulb.

They are pulsing the LED, so they can save electricity and also so they can drive them a little brighter, too as they overdrive them, making up in the OFF cycle of the switching pulses, as they are 'strobing' the LEDs!

You can also have a look at my Energy Saver article, which needs to be updated about EMF/RF values.

TAKE CARE

Kind regards
Peter

Not a Dream

From: Ken
To: garyvesperman@yahoo.com
Sent: Tuesday, August 16, 2016 10:02 AM
Subject: Not a dream

Gary,

I was sharply awakened last night at 1 AM as I distinctly heard a digital data transfer inside my head as loud as if I was wearing quality headphones. It was short, like a microburst data dump. But it was as real as can be.

For sake of air conditioning, I presently sleep in the room close to the only smart meter I accidentally allowed to be installed, that on our gas meter at the front of the house. Maybe it does its report at 1 AM. But this is the first time I experienced it, though I've been in this room at 1 AM many times before.

Then this morning, I noticed the **red X** on my cell phone had gone away, it now found 2 bars of cell signal strength. I wonder if the local tower returning to operation is what I heard? It was down from August 8 until today. Did 8 days of no cell tower re-sensitize me? Are all of us DE-sensitized with numerous towers around a city?

My only defense of cell phones is knowing they are only one of an infinite number of sources of microwaves we get bombarded with ever since Marconi and Tesla started playing around.

Ken
8/16/2016

From: Ken
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Wednesday, August 17, 2016 4:21 PM
Subject: Re: Not a dream

Gary,

I know a little about RF, but just enough to be dangerous. The smart meters use an omnidirectional antenna. That means shielding the direction is not an easy thing to do. Without proper measurement tools I could end up making it worse. This is why the term 'tin foil hat' is derogatory. An MIT group tested one and found it focused RF directly to the center of the brain instead of shielding the head from the problem frequencies.

Ken

Muscle Testing

From: "Peter @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Tuesday, August 16, 2016 2:23 PM
Subject: Re: [emfrefugee] Muscle testing

Hello Ellie,

Actually your MD was on the right path!

Somebody who did not like him reported him to the Health Board – and those *BRAIN-DEAD Agents* follow *School Medicine* to the dot and do not deviate just 1 mm.

There are many different **Muscle Tests** available, but if the tests take longer – when more products have to be tested – it is tiring for the muscles and then the accuracy is suffering.

That's why I do like the STANDING (Sway Test) Method.

According to the newest findings you do not even need any products at all, as YOUR BRAIN alone can set the problems right. The problem is just to find the right Coach to help you and teach you or support you to get this technique right.

I am currently training with 2 different coaches, who are using very very similar techniques, after I had completed my initial coaching training in 2008. What I do now, is far more rewarding and can give immediate results, when the patient/person can get his/her brain sorted out. It is amazing what BRAIN POWER ALONE can actually achieve!!

- Just believe in yourself and work on it. All medication, music and sounds are additional benefits, as you will see, when you get to know the techniques.

If you do not believe me, please go and see:
<http://DrLeonardColdwell.com> and <http://IBMSmasters.com>
as well as:

<http://OckertMoller.com>

TAKE CARE

Kind regards

Peter

On 8 August 2016 at 16:22, Ellie @gmail.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

The people who test for it do it with a room with various electrical things going and each turned on adding more. It is called muscle testing and that is how my MD told me I was electrical sensitive, I think he was not allowed to test like that as 5 years later I noted he lost his license. That is how it is in this world. Also you might want to all read the book by Bruce Lipton. Not sure I remember title good but think it is "Body of Belief". But check out that author and you find it. Another muscle tester found that while I had RNA tablet I was not as reactive. Still take that for it and also do EFT tapping which does help. But I take pain medicine for the titanium hip reacting. Half a pain pill a day at noon. Inflammation problem for broken hip over a year ago. Live in assisted living place which cost more money than income so the savings are about gone by now.

Ellie

Just as an update.... I did go do this testing a couple years ago. In case anyone wants to know what it is like. I'm not sure it was worth it for various reasons such as the Faraday cage was torn and not repaired and even worse they had a computer inside the Faraday cage with me. There are others who do EMF testing now but require more expensive scans that use lots of EMF; so it is a trade-off.

Any more information feel free to contact me. I'm a bit slow about reading my emails but will check.

—
Posted by: Peter @gmail.com>

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee <emfrefugee@yahoogroups.com>

Sent: Sunday, August 21, 2016 8:31 AM

Subject: [emfrefugee] EFT ETS

I would like you people to try Rubeneucleic Acid (RNA) tablets to see if it gets better in head. I take them with some food 3 to 4 times a day. I have Wi-Fi in my room here at an assisted living place. I note that it does help to take the RNA tablets. As I have said before, I use EFT to help also. I am 85 years old and was diagnosed by Dr. Bowles in Bellevue area of Washington many years ago with electrical sensitivity. I did not believe it but then noted the next day that he was right. A kinesiologist found that RNA would help – that was with Muscle Testing.

Ellie

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee <emfrefugee@yahoogroups.com>

Sent: Saturday, August 27, 2016 8:22 AM

Subject: [emfrefugee] RNA

If you find a muscle tester with various items in shelves you might also find something that helps as it did for me. The RNA tablet – it has to do with a protein that is lacking in the brain and supplying that protein.

Ellie

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee <emfrefugee@yahoogroups.com>
Sent: Sunday, August 21, 2016 12:51 PM
Subject: [emfrefugee] Something to try here.

I think this is one thing I will try to do for EMF problems and Wi-Fi.

Just follow and do what she does.

<https://www.youtube.com/watch?v=Is8eu83DUjo>

Ellie.

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee <emfrefugee@yahoogroups.com>
Sent: Sunday, August 21, 2016 12:56 PM
Subject: [emfrefugee] We can follow this treatment worth a try.

My friend sent this.

If you want, it's interesting to hear her talk about the things that can bother brains like Wi-Fi and cell phones. Then she starts showing how to do the tapping at about 4:14 minutes in.
<https://www.youtube.com/watch?v=Is8eu83DUjo>

Ellie

From: "Shannon @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Sunday, August 21, 2016 6:58 PM
Subject: Re: [emfrefugee] We can follow this treatment worth a try.

I think this could be helpful because it's working with the meridian system (tapping on meridian points, you can use acupressure or acupuncture too) which is definitely affected by EMF exposure. :)

Thanks Ellie.

Shannon

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee <emfrefugee@yahoogroups.com>
Sent: Monday, August 22, 2016 9:49 AM
Subject: [emfrefugee] Tapping

Hope it helps, EFT helps and so is tapping. Thanks Shannon I just have to remember to do it and not let it get so bad.

Ellie

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee <emfrefugee@yahoogroups.com>

Sent: Thursday, September 8, 2016 7:01 AM
Subject: [emfrefugee] EFT

I have mentioned to you that I use EFT to help with Wi-Fi pain. and it works.

Be sure to try it and it is all at this web – www.tappingsolution.com
Just follow the instructions. A woman Cindy, her mother at the table here in assisted living and Cindy was not able to move her wrist due to arthritis.

I told her I did EFT tapping Emotional Freedom Therapy for my reaction to Wi-Fi and it works good.

She did research and came back next morning saying I saved her life. She printed this web out for me which was exactly like I did it for a few years. Everything is energy; this is energy healing.

Ellie

From: "Jenny @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 10:19 AM
Subject: Re: [emfrefugee] EFT

Congratulations on your success!! I know that EFT works and have occasionally tried it, but not consistently. Maybe now I will!

Jenny

From: "Angela @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 1:47 PM
Subject: Re: [emfrefugee] EFT and supplements

How exciting to see these posts of things that have worked!!!

Very inspiring and I will be looking into EFT.

Thanks!

Pediatric Conference Declares Cell Phones And Wireless Cause Brain Cancer And Other Health Issues

From: Pat <@hotmail.com>
To: "garyvesperman@yahoo.com" <garyvesperman@yahoo.com>
Sent: Wednesday, August 17, 2016 8:58 AM
Subject: Wi-Fi Dangers Exposed

Dear NaturalHealth365 subscribers, (Important Health News - below }

I've been talking about the dangers of wireless technology for quite some time ... and, now, a pediatric conference has issued an important health warning. These doctors see the connection between Wi-Fi and autism, cancer and more!

<http://www.naturalhealth365.com/cell-phone-radiation-brain-cancer-1936.html>

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Pediatric conference declares cell phones and wireless cause brain cancer and other health issues

Posted by: Dena Schmidt, staff writer in EMF Pollution August 15, 2016

Today, smartphones are everywhere – even our children use wireless technology. Yet, most caring parents don't seem to be worried about the dangers of cell phones. Unfortunately, new studies are definitively linking cell phone radiation to health issues in children and the unborn babies carried by pregnant women.

A pediatric conference held at the Baltimore Convention Center provided a forum for health experts to discuss the findings. Yale and Harvard scientists and doctors were particularly vocal about potentially harmful cell phone radiation to the brain development of unborn children. A correlation was found between cell phone use during pregnancy and behavioral problems manifesting in the children as they develop.

Cell phone radiation exposure linked to cognitive impairment and cancer

Research from the International Agency for Research on Cancer showed that pregnant mice exposed to cell phones regularly had babies that tended to have memory issues and hyperactivity. Dr. Martha Herbert of Massachusetts General Hospital and Harvard University found links between autism and the electromagnetic field of wireless internet. Wireless was found to disturb the brain's calcium signaling and information flow, causing children to become agitated.

Cell phone radiation exposure has been linked to many types of cancer, including breast and brain cancer. A U.S. National Toxicology Program study found a strong correlation between cell phone use and brain and heart tumors. In fact, children's brains absorb up to 10 times as much cell phone radiation from wireless technology as adults due to their thinner craniums, putting them at higher risk for impairment and brain cancer.

The younger the child, the higher the risk

The average adult checks their cell phone dozens of times a day, in some cases over 100 times. The brains of infants and young children are extremely vulnerable to cell phone radiation, whether from in the womb or near the parent checking their phone.

Therefore, it is crucial for pregnant women to keep their cell phones away from their bellies, especially near the end of their term. Ideally, a hands-free device should be used, with the phone kept as far away as possible. Young children should also be limited in terms of their use of cell phones, tablets and any other devices linked with wireless technology.

The U.S lags behind many other countries in terms of researching the hazards of wireless technology and cell phone radiation. The Environmental Health Trust is currently petitioning wireless providers and cell phone manufacturers to assist in funding research about prevention and treatment of cell phone radiation exposure.

Evidence of negative impact of wireless radiation on children presented at Baltimore Pediatric Conference

Much about the long-term use of cell phones is unknown, since they have only been in wide use for a couple of decades. However, studies have connected high use with negative effects on the ability to focus, which can lead to behavioral problems.

The CTIA, which represents the U.S. wireless communications industry, cites an FDA statement claiming there's "not enough evidence" to show wireless technology and devices can cause health risks. Clearly, this is false.

We should all take steps to minimize our exposure to wireless internet and cell phone radiation, but the youngest among us require and deserve special protections.

References:

<http://biorxiv.org/content/biorxiv/early/2016/05/26/055699.full.pdf>

<http://www.baltimoresun.com/health/blog/bal-cell-phones-child-brain-story.html>

Smart Water Meters

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Thursday, August 18, 2016 8:49 AM

Subject: [emfrefugee] Street lights with tiny antennae?

I am looking to purchase a house now and being EHS it's rough. I am so worried about all the new wireless crap and am looking for a house set away from others. Anyway it's between two houses. There is some room between neighbors, but the neighborhood has all wireless RF water meters. I am now seeing if the RF water meter can be removed off the house I may buy.

However I did notice the street lights have little tiny boxes on top of them as they all do I guess – timers or whatever. But in this neighborhood and others they switched to the RF water meters. The little boxes on top of the street lights have tiny antennas. I was told this is so the readings go from the house to the street light and back to the water company.

First it makes no sense: If you're having people drive by and read the meter why does it have to go to the street lights and be shot back to the water company? But on top of that I'm wondering could this be bad to live in a community like that? I heard that living in a community with smart meters even if off your house could be bad. Though I have heard these water meters aren't bad or don't go off that often. I still don't want a smart water meter on my house. But could it be bad living in a neighborhood where the street lights have this?

Thanks Derek

From: "Bill Bruno wbruno@gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, September 3, 2016 1:14 PM
Subject: Re: [emfrefugee] smart water meter

There are different kinds... some transmit a few times a minute at low power, others once or more per day at high power. If it's not right on your house you may want to put a wire mesh fence between the house and the meter.

On Sat, Sep 3, 2016 at 2:08 PM, jam_schuster@yahoo.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

Has anyone come across 'smart' water meters yet? They will be installing them throughout my city over the next few years.
Jenny

From: "Jeanine @att.net [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Saturday, September 3, 2016 6:47 PM
Subject: Re: [emfrefugee] smart water meter

The City of Battle Creek Water Department has been installing smart water meters for over a year now. We have three on our rental properties. They actually lied to us about gaining access to the meters to "check on them". When they left, we noticed how the transmitting boxes had been installed on the outside of the building. They pulse every 14 seconds, according to the Water Department, in 7 millisecond bursts.

Jeanine

From: "Peter @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 18, 2016 12:33 PM
Subject: Re: [emfrefugee] Street lights with tiny antennas ? [3 Attachments]

[Attachment(s) from Peter included below]

Here in Pretoria (South Africa), and other cities they are rolling out many Hot Spots for ("FREE") Wi-Fi, right through out town. They also have their antennas on traffic lights and street lamps!

In my eyes it is CRIMINAL to brainwash the people to is this **FREE Wi-Fi** system, when it is not **FREE** at all as it all will cost their **health** and even their **lives**. People are already DYING from Wi-Fi here in South Africa, but nobody even links it up to the actual Underlying Causes. On August 3 we had Local (Municipal) Elections

and 3 people died during the voting process – 2 in the queue and 1 inside the voting station.

Please see the readings I tested using the free **Wi-Fi Analyser APP** and the pictures I took:
- With signal levels like this it must be tough on people who got a weak heart!

TAKE CARE

Kind regards
Peter



Signal was up to -18 dBm (just -20 dBm caught in photo)



External Wi-Fi antenna used in South Africa election



Wi-Fi router used in South Africa election

From: "isis @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Thursday, September 15, 2016 9:32 AM
Subject: [emfrefugee] EBMUD 'Smart' Metering [1 Attachment]

[Attachment(s) from isis feral included below]

I just got confirmation from the secretary of EBMUD, our water district here in the East Bay, that the board voted on Tuesday to accept a \$1 million grant for 'Smart' metering.

She sent me the attached documents of what exactly was decided (I'm sorry, I can't copy and paste them for lists that don't allow attachments – please let me know if anyone needs me to send them to you directly). It looks like for now they're calling it a 'study', and are pushing them on 'high demand' and commercial customers (but who knows if we live next door to one of those, and where the infrastructure will be installed in our neighborhoods?).

I had contacted EBMUD in the past about their previous pilot project, but of course they have no mechanism in place to notify people of topics that they have previously expressed an interest in. It doesn't look like anyone even knew to submit comments of opposition before this was put on the agenda.

Isis

From: "Lewis, Lynelle" <lynelle.lewis@ebmud.com>
Sent: Thursday, September 15, 2016 8:35 AM
Subject: RE: agenda item 15 - 9/13 planning committee

The Board approved acceptance of the grant.

15. 35004-16 Authorizing Acceptance Of A Grant Awarded By The United States Bureau Of Reclamation (USBR) For The Preparation Of An Advanced Metering Infrastructure (AMI) Study.

Lynelle M. Lewis, CMC
Secretary of the District
(510) 287-0440 [office]
(510) 287-0555 [fax]
lynelle.lewis@ebmud.com

(It seems Ms. Lewis should be contacted to ask if their project will include recording and analyzing possible health impacts of their smart water meters. Gary Vesperman)

Finding a New Home...Looks Like Towers Are Everywhere

From: "Angela @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 18, 2016 5:36 PM
Subject: [emfrefugee] Finding a new home...looks like towers are everywhere.

My kids and I are extremely EMF & EMR sensitive. We have moved temporarily to the woods and have been staying in an RV, sleeping with only DC power working, because I cannot sleep connected to AC power. We have sold our house, which was located on power lines and had 7 cell towers topping them, and can now look for a new home.

As our search got underway, we are realizing it will be impossible to get further than 2 miles from any given cell tower and if we want to be near any sort of civilization, we will have to be surrounded by no less than 5 towers (at least at time of purchase...this number will obviously grow in time).

Even in the middle of nowhere, with no amenities or people, there are still at least 2 towers nearby.

The realization that cell towers cannot be avoided is a very sad and scary one. With as extremely sensitive as I am, I foresee a life of forever EHS symptoms, ranging from insomnia to full body rash. A very scary future. Has anyone successfully found ways to live among the radiation? Any successful ways to be outside and enjoy life with towers multiplying at astronomical rates?

Any thoughts would be appreciated, because we just don't know where to move to.

Angela

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 19, 2016 5:12 AM
Subject: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

Hi Angela,

If you are breaking out in rashes in response, you would likely be diagnosed with Mast Cell Activation Disorder. Diagnosis of this 'new' disorder, which is really in response to the EMF, are becoming epidemic. Look into it if you have not heard of it. There are Facebook groups and numerous websites. I don't even have skin reactions and I got a diagnosis, although it probably wouldn't hold up to scrutiny. But one of the medicines they treat it with, ketotifen, is helping me to cope better. I am not as weak, and have much less pain now. Unfortunately, the medication isn't helping my cognitive decline, so that may be from something else, as I also have PTSD and an old brain injury. Good luck. I wish I could afford an RV. I would like to gather a group to occupy a National Park or Forest in RVs, refusing to leave until a US White Zone is created. I am saving for a van now. I hope to have one within several months. Please keep me apprised of any very good locations.

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 19, 2016 10:45 AM
Subject: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

I live in a flood town about 30 miles from Kansas City. Our population shrinks instead of grows. There are no new houses or development. No new businesses. I'm close enough to drive into Kansas City to commute to work. I can see a couple of cell towers. But they are pretty far away. Even still, it took a lot of work on my house to get rid of the EMF. But that may be due to the fact that it is a metal house. I would suggest an all-wooden house. One made in the 50's that had a layer of aluminum foil backing on the insulation. Whenever I go into a house like that I feel a lot of peace of mind. Also downtown Kansas City has a lot of granite buildings. Whenever I walk downtown it somehow sets my mind free. I've tried to duplicate that effect in my own bedroom. On top of the many layers of different kinds of shielding I have a granite wall surrounding my bed.

There is a layer of wood behind metal sheets and the hardybacker board behind the granite tile. So I can drill into it. You can't see it because the bed hides it. But I have constructed copper wire mesh that crisscrosses along the granite tile that is held in place by at least a hundred or so ferrite tubes. It almost feels like downtown Kansas City. I sleep really good.

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, August 20, 2016 9:00 AM
Subject: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

Hi,

I managed to get my sensitivity down by reducing my exposure drastically.

I shielded my bedroom and fitted stetzer filters. I sleep in a shielding sleeping bag, wear shielding clothing. I only use a phone with an air tube headset. It gave me my normal life back.

Until we get white zones, wherever you find no signals is seen as a notspot and may have a cellmast installed. If you can find out your tolerance levels you can without spending a lot of money reduce power of the radiation power exposure by a factor of 10,000.

Guy

My free ebook - look at blue box top right
<https://beneficialenvironments.co.uk/>

From: "Jackie @sbcglobal.net [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Sunday, August 21, 2016 6:00 AM
Subject: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

We were forced to relocate to a rural area and discovered that it was the amount of activity rather than the towers themselves that knocked me out. Even the smart meters, which I am extremely sensitive to in a highly populated area, don't have the devastating effect on me when there is no other wireless traffic around me. We live on 7 acres with only one other residence near enough to see and our area registers zero radiation. A man who installs smart meters told us that in a highly populated area the smart meters must be turned up as much as possible to cut thru the other wireless activity, in our area the meters are turned down as far as they will go. We also discovered as we looked for a low radiation location that being anywhere near a public school was so toxic that none of the shielding devices provided any relief. We lived 4 city blocks from an elementary school. We had hardened our house, but I couldn't go outside even long enough to empty the trash.

We have need of traveling up the interstate and found that an alternate state highway makes it possible for me to travel with no reaction and also avoids major metropolitan areas.

In my search for why me? A local MD told me that anyone who had radiation treatment for cancer would be the first to fall to 'normal' exposures. This was the case for me, forcing me into retirement from a job I loved. Now that we have relocated to the country I am recovering. I can shop in our town of 2,000 even in the 'supermarket'. A meter is absolutely essential to making this decision.

Hope this helps someone faced with the decision to relocate, ~Jackie~

From: "W @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Monday, August 22, 2016 4:22 AM
Subject: [emfrefugee] Re: Finding a new home...looks like towers are

Hi Jackie,

Where do you live? I have been talking with people in California looking at places to live and have been getting the opposite response – that rural places are worse as things are turned up. So I am getting the impression that there are different practices in different areas.

From: "Angela @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Monday, August 22, 2016 8:33 AM
Subject: Re: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

Unfortunately, I found the opposite to be true for me. The more time I have away from electricity, the more sensitive I am when I am around it.

Maybe I have not had enough time in safe zones to heal fully. But, even when the only place I go near electricity is a local little store with air conditioning on, I am dizzy and nauseous. It is very frustrating and discouraging.

I have meters and I know there is a cell tower within 1 mile of where we are, but I get no readings for it. The dramatic reduction in exposure when we first got here was great and I felt much better, now that we have been here for almost a year and my body has adjusted to this environment, I am again covered in rashes and have insomnia. So I know even small amounts of exposure affects me greatly.

I am going to be learning more about shielding as my next step. Not sure what to do about day time exposure, though.

Thanks! -Angela

From: "Shannon @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Monday, August 22, 2016 9:09 AM
Subject: Re: [emfrefugee] Re: Finding a new home...looks like towers are everywhere.

Hi Angela,

I can relate somewhat to your experience. I have also felt better at first in a new lower EMF environment and then after time get sensitized to the EMFs in the new environment. I have heard this to be the case with some others too. I know a couple who just have decided to live somewhat nomadically in their converted micro trailer and camper truck (converted in that they removed most of the metals and replaced them with fiberglass and plywood, etc). They have been doing this for 10 years and their health has improved dramatically. I am not ready personally to do something that drastic. So for me right now sleeping in a tent on the property we are renting and spending as much time outdoors during the day as I can helps me deal with my computer time inside. Needless to say in the summers and winters I do more poorly because I have to be in more and exposed to more EMFs (esp. with the AC right now).

But I have also noticed sometimes adjusting to new EMFs (like the AC this summer) where I felt worse at first when it was turned on and after a month more adjusted. So I am not sure what's really happening!

I HAVE noticed however that two things are helping me nutritionally. One is eating more saturated fats, like butter. This has helped my symptoms significantly and may be why I feel better about the AC over time mainly because of that change I made in my diet.

The other thing I am working on now, is aiding my adrenals. I think that many of us would agree that our adrenals have gotten affected by our EHS and exposures to EMFs. As EMFs are basically stressors for the body it makes sense that the adrenals would suffer from that much stress. So it also makes sense that supporting the adrenals (just as with any allergy) that this can help us.

The herbs I am using now (just been a few days but I am already feeling better) are nettles, chaparral, licorice root, and ashwaganda. The nettles are great for allergies and adrenal function, the chaparral is a great blood cleanser and anti-viral and antibiotic (so can help with other infections we get from our immune system being down), and the licorice is really good for adrenals and is an anti-inflammatory and the ashwaganda is an adaptogen. In addition to these a natural form of Vit C can help and also B vitamins and seaweeds can help (but be careful about using kelp and taking too much of that as it's high in iodine and too much iodine can mess with the thyroid too much.. bladderwrack or dulse would be better and those also help to clear out heavy metals). B vitamins from natural sources like nutritional yeasts, Bee pollen (high in B5 I think and also really good for adrenal support), and blue green algae (high in B 12) is good.

For the herbs taking powders in capsules (you can buy bulk herbs on Amazon and fill them yourself if you buy the capsules) between meals is best, maybe a few caps each. I am just taking the ashwaganda at bedtime though as it makes me really sleepy. And taking them 3x a day is good. Don't take chaparral fresh (some of you might be able to harvest it like I can here with the creosote plant which is the same plant) it needs to be dried for 2 months before use to make it safe.

Anyway I will let you and the group know how helpful this turns out to be over time with the adrenal herbs etc.

Hope this helps!

Shannon

Invention Neutralizes High-Frequency Electromagnetic Fields

On Tue, Aug 30, 2016 at 10:20 AM, Gary Vesperman <garyvesperman@yahoo.com> wrote:

Hi Erik,

Is the invention that you wrote me about for neutralizing EMF available for sale to Angela? This looks like a desperate situation for her.

Gary Vesperman

From: Erik

To: Gary Vesperman <garyvesperman@yahoo.com>

Sent: Tuesday, August 30, 2016 10:50 AM

Subject: Re: Fw: [emfrefugee] Finding a new home...looks like towers are everywhere.

Hello Gary,

Yes, the biophotonic systems are for sale, and depending on the strength (size) of the system it can create a field that reaches for a mile or two in every direction.

I would also recommend that you personally spend an hour in the system's field with Dr. Michael...it is a noticeable difference that I most people feel immediately...I personally did and it resolved the issue I had in regards to EMF symptoms within one hour. As a former Power lineman in the energy sector for over 10 years, I am sensitive to EMF as well. If these people are that sensitive, then this is most likely the solution they are looking for. Here is the number and website (702) 527-6448 www.eesystem.com

In addition to the system, orgone energy pyramids can be effective as well.

However, as I understand it, orgonite does not affect the electromagnetic level. Therefore, most if not all of the harmful effects of electromagnetic radiation on the human organism (cancer, headaches, loss of concentration, increased growth rate of bacteria) will not be directly affected by orgonite. Any beneficial effects of the use of orgonite on the organism will be due to the effect of strengthening the Etheric level rather than diminishing the electromagnetic level.

Rudolf Steiner explained the difference between electromagnetic and Etheric energy in the following way: Etheric energy lies in a realm higher than the solid, physical 5-sense world, whereas electromagnetic energy lies in a realm BELOW the physical realm – he calls it subnature, whereas Etheric is super-nature. So the Etheric body of a living organism is the subtle body that gives life, movement and form to the physical processes – Etheric enlivens and animates the molecules and cells – it is the wise guider of all our metabolic processes. The Etheric is highly structured and organized and in living flow.

Whereas on the other hand, our technological production of electromagnetism, from the mains in our houses, to our computers, radio and microwave transmitters is harsh, chaotic, rigid and exists in a realm that is in direct opposition to the Etheric, life-giving body, and so cannot do other than affect it, usually in a very negative way. I say "usually" because electricity in the right strength, form and frequency can be used for healing - see the SCENAR or eesystem devices for example. However, it may well be that electricity used in this way is only healing in a homeopathic sense, in the sense that even harmful substances and energies, in small doses can act as a stimulant to the body, thereby promoting self-healing. So, as I see it, the towers produce, as a by-product, harmful Etheric-damaging energy which saps our life forces and depletes and disorganizes the sea of Etheric that fills space

<http://www.orgonomicscience.org/orgone-biophysics/>

<http://www.orgonelab.org/>

<https://www.papermasters.com/orgone-energy.html>

Warmest regards,

Erik

From: Gary Vesperman [mailto:garyvesperman@yahoo.com]

Sent: Tuesday, August 30, 2016 10:58 AM

To: Angela

Cc: Andrew Michrowski; Ken; Patrick; Erik; James DeMeo

Subject: New invention neutralizes EMFs

He Angela,

Hopefully this device is the answer to your desperate EMFs situation.

Gary Vesperman

From: Patrick
To: 'Gary Vesperman' <garyvesperman@yahoo.com>
Sent: Tuesday, August 30, 2016 11:44 AM
Subject: RE: New invention neutralizes EMFs - Phooey.

\$8,000.00?

Geez...

What I did was to connect the hexagonal wiring all over the house where the plaster gets stuck to and I connected that to ground.

The cell phone reception inside the house is terrible, but it feels pretty good.

I have no faith in his system or his magic amulets...

From: James DeMeo < @mind.net>
To: Gary Vesperman <garyvesperman@yahoo.com>
Cc: Erik
Sent: Tuesday, August 30, 2016 5:11 PM
Subject: Re: New invention neutralizes EMFs

Dear Gary,

‘Orgone pyramids’ are purely a decorative item, with no capacity at all to reduce or mitigate against EMFs from any source. They aren’t even something developed by Wilhelm Reich, and are a misrepresentation on many levels. The entire ‘orgonite’ thing is total BS. Has nothing to do with Reich or his authentic orgone energy discovery. They will do no more for protection than putting up a picture of one’s favorite holy man or guru, and generate some psychosomatic ‘happy feeling’. Wish it were otherwise. I wrote on it here:
<http://www.orgonelab.org/orgonenonsense.htm>

This ‘orgonite’ fad originated in a mystic cult in California, and they have made an awful distortion and train-wreck out of Reich’s authentic and important discoveries, abusing his name and terms. The orgone energy accumulator, for example, is a legitimate device with proven healing effects, double-blind controlled studies done with it, effects proven on cancer mice, plant growth boosting, etc. But never, not once, anything about deflecting or mitigating against EMF. In fact, the primary precaution on use of the orgone accumulator is to keep it away from EMF fields.

Every serious and defensible scientific evidence indicates, if you can measure the EMF, then it still presents a risk. I know of no device or gadget that can ‘transform’ EMF into something benign, unless it can either shield, absorb, or reflect the energy away.

I object to their abusing the name of my laboratory by adding our weblink to the bottom of their page. I’m also sure, the Institute for Organomic Science would feel the same way.

Cheers,

James DeMeo, PhD
Director, Orgone Biophysical Research Lab
Ashland, Oregon, USA
<http://www.orgonelab.org>
<https://orgonelab.academia.edu/JamesDeMeo>

Best Shielded Cabin

From: "Angela @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 26, 2016 6:48 AM
Subject: [emfrefugee] Best shielded cabin

If you could build your own shielded cabin sleep in, what materials would you use to block out all EMFs and EMRs? How would you build the perfect cabin for your EHS?

We are out in the woods and a cell tower just went up a half mile away and I am again covered in rash, so we are needing to shield our housing. Thank you for any ideas!

-Angela

From: "Anja @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Friday, August 26, 2016 9:27 AM
Subject: Re: [emfrefugee] Best shielded cabin

Hi Angela,

Shielding can be complex. You can shield your entire cabin but it may not be necessary. If the cell tower is the main RF source then it might be best to just shield your ceiling and the side of the house the tower is on. Once you shield your entire cabin you cannot have any RF devices in your home. For some people this is fine because they do not use any RF devices anyway. Also, when you shield an entire building you have to make sure there are no gaps at all, any RF that does come in will just bounce around.

Y-Shield paint is excellent for shielding already built structures. You can buy it from LessEMF or slt.co. It does need to be grounded properly. You must make sure all surfaces are thoroughly covered with the paint. You need two coats. A very careful painter is recommended. For windows you can use Signal Protect window film (also at slt.co). It comes in clear and tinted.

The paint is expensive. It is black. So you will need multiple coats to cover it up depending what color you use. Certain paints cannot be used over the top (e.g. clay based). The paint is low VOC. LessEMF sells other paints: Air Pure Shielding Paint (zero VOC), CuPro-Coat Paint. I do not have any experience with these two. Has anyone else used them? Less EMF says the Air Pure provides 90% reduction of RF whereas Y-Shield provides 99%.

All the best.

Anja

From: "Bill @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 26, 2016 2:13 PM
Subject: Re: [emfrefugee] Best shielded cabin

The most bang for the buck is heavy duty or extra heavy duty aluminum foil in the widest rolls you can find. Overlap seems and don't have metal protrusions. On windows use aluminum fly screens. If they go to 5G you might need something finer for the windows. Start with just the wall facing the tower. Another approach is a big chicken wire fence on that side outdoors, and cover that with aluminum screens too--- should be taller than cabin if possible.

From: "Anja @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Friday, August 26, 2016 2:51 PM
Subject: Re: [emfrefugee] Best shielded cabin

Yes, Bill great idea. It is a low cost way. You could use the Aluminum Foil Tape from LessEMF to tape the pieces together. Just as with the paint you need to make sure to ground it. Don't forget your window frames when you are shielding (if they are not metal).

From: "Angela @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 26, 2016 3:33 PM
Subject: Re: [emfrefugee] Best shielded cabin

Great ideas and information!

How do you ground shielding paint?

From: "Anja @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Friday, August 26, 2016 5:53 PM
Subject: Re: [emfrefugee] Best shielded cabin

You buy a kit along with the paint to ground it. Here is the description:

"Specially designed for grounding indoor flat surfaces like walls painted with Y-Shield. Provides secure connection. Connect to surface after Y-Shield has dried, but before overcoating. Ground cable included is 40 inches. Includes 25 feet of 1 inch wide conductive tape. Use at least 1 ground per 1000 sq ft of painted surface. For interior use only."

There are instructions on the website. You can get an outside version also.

Cheers,
Anja

From: "Jackie @sbcglobal.net [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Saturday, August 27, 2016 5:23 AM
Subject: [emfrefugee] Re: Best shielded cabin

We achieved excellent results from Reflectix AKA as radiant barrier from Lowe's. A roll is 4 feet wide, 125 feet rolls costing about 30\$. Product is designed to be radiant barrier in attic to help cooling, stapled to interior of roof. We rolled it over insulation rather than to roof.

From: "Karen @eoni.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Sunday, September 4, 2016 1:19 AM
Subject: Re: [emfrefugee] Best shielded cabin

After trying to tape foil to cardboard, trying to shield with space blankets, exploring the use of foam board with foil on both sides,

Reflectix is an absolute dream to work with 4 foot wide widths and the job goes quickly. I stapled it to the rafters in the basement and overlapped and sealed some joints with the foil tape (can cut you) and some with a cheaper tape. From Home Depot shipping is free.

Think ahead about the overlaps and if there will be a continuous path to ground. After the stronger Wi-Fi moved in next door, I had to cover the staples with foil tape.

It also comes with one foil side and one white side (not foil), but I think the type with 2 foil sides is better for this purpose. I would love to be looking at white instead of the foil on all walls and ceilings which was making me very hateful of my inconsiderate neighbors who would not try to help. So I bought cheap bed sheets on sale in pretty colors, but have never put them up. I put a flowered shower curtain on the space in front of my desk and that eased the irritation.

Reflectix is very lightweight, flexible, easy to cut straight with scissors, doesn't poke holes in or slice your hands. The left overs work great on the bottom of things, such as metal garbage cans to make them slide easily over the concrete without a lot of noise.

The RF readings after application were just slightly higher than in the forest.

Karen

On 8/26/2016 2:57:58 PM, Shelley [emfrefugee] (emfrefugee@yahoogroups.com) wrote:

Hi all...

I have an open beamed ceiling and I want to shield it. Aluminum foil is great, but if you are working overhead on a ceiling it is tricky. And aluminum screen is hard to work with in large applications. I would be stapling the material to the beams and the product would have to span about 3 feet of air between the beams. I think foil is too delicate for this application. I was going to try Reflectix Reflective Roll Insulation.

<http://www.lowes.com/pd/Reflectix-100-sq-ft-Reflective-Roll-Insulation-48-in-W-x-25-ft-L/3011906>
\$43.25

This room is my living room and I could put some nice light weight fabric or a flexible wallpaper on the side that is facing outside.

I'd prefer not to have an aluminum ceiling. My friends are already suspicious that I have been kidnapped by aliens.... ;-) But they are coming around....

Does anyone sees a downside to this product?

Shelley

From: "Anja @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>

Sent: Friday, August 26, 2016 5:58 PM

Subject: Re: [emfrefugee] Best shielded cabin

I think the Reflectix is a good choice. You could use the aluminum tape with it.

On Fri, Aug 26, 2016 at 2:13 PM, Bill [emfrefugee] <

emfrefugee@yahoogroups.com> wrote:

The most bang for the buck is heavy duty or extra heavy duty aluminum foil in the widest rolls you can find.

Overlap

From: "Karen @eoni.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Tuesday, September 6, 2016 4:06 AM

Subject: Re: [emfrefugee] Re: Best shielded cabin

I was working with an unfinished basement owned by my mother. So I could staple with abandon.

It would be more difficult if renting an apartment.

And with 2 layers of foil it was far more effective than space blankets.

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Wednesday, September 7, 2016 12:58 PM

Subject: Re: [emfrefugee] Re: Best shielded cabin

Be careful not to make a vapor barrier with the foil. It traps moisture and then you start mold problems. Pierced foil is available.

Hope this helps

Guy

From: "Shelley @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>

Sent: Wednesday, September 7, 2016 2:19 PM

Subject: Re: [emfrefugee] Re: Best shielded cabin

Guy -

I've read that the Reflectic product has tiny holes punched into it to prevent moisture from being trapped. This product should still prevent microwaves from coming through even if it has tiny holes. Assuming that the data carrying microwaves have more width than the tiny holes ;)

I have yet to get a sample of the product.

Shelley

EMF Shielding Clothes

From: " @sbcglobal.net [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, August 20, 2016 7:59 PM
Subject: [emfrefugee] EMF Shielding clothes

I noticed someone mentioning wearing EMF shielding clothes and using a special sleeping bag. Anyone using these, and are they helping you? I noticed many things available online and wonder if I should try it.

From: "steven @yahoo.co.uk [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Sunday, August 21, 2016 5:30 AM
Subject: [emfrefugee] Re: Emf Shielding clothes

Hi,

Yes I wear shielding clothing, and yes it helps very much. I tend to make my own, and have used many fabrics from the main suppliers, over the years.

A few points that may be helpful:-

1. It is generally not particularly healthy to the body, in my view, to be wearing shielding fabric all of the time, but still far healthier than getting zapped.
2. The fabric used has to be up to the job. It needs to have high attenuation over a wide range of frequencies, and more importantly, withstand wear. Most metalized fabrics, start shedding the filaments pretty quickly, and leak EMFs after a few weeks of use.
3. The areas of the body under the shielding clothes will be protected, according to the spec of the fabric, but the field lines will condense at the margins of the garment giving extra radiation to that region of the body. So for example when wearing a shielding shirt, the torso will be exposed to much lower radiation than normal. However the neck and lower abdomen will have a small increase.
4. The blood can be refreshed by covering large areas of the body: In my personal view, many of the symptoms we experience, could be reduced by an infusion of less zapped/damaged blood. So wearing, for example full length shielding pants and a long sleeved shielding shirt, could help protect most of the body's blood supply, including the blood that then enters the brain. In my experience, in this way, wearing shielding clothing can reduce the effects on the brain even if the head is not covered.
5. What kind of garments is best: I try to cover as much of my body as possible. So I would have: socks; long pants; long sleeved shirt (with high collar); hat and glasses. I would say, the minimum to make any significant difference, would be to wear a T-shirt, and boxer shorts/briefs.
6. Where to buy the fabric/clothes: 2 years ago, I rather unscientifically but convincingly enough for myself, tested every fabric sample from several suppliers (lessemf, yshield, emfields, emfclothing). There were many that exhibited good shielding properties, but only a few that would take any significant amount of wear without losing conductivity. Most of those fabrics were sold by emfclothing.com; so to be honest, I now only buy from them.

Hope this helps,

Regards,
Steve

From: "W @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Sunday, August 21, 2016 6:14 AM
Subject: [emfrefugee] Re: EMF Shielding clothes

I got to the point where I could no longer shop for myself. A friend lent me her shielding coat and for three more months I was able to continue buying groceries. Then the coat became a torture chamber. The microwaves trapped inside the coat became worse than not wearing the coat.

I am one of the most injured and I can NOT use shielding clothes. I'd like to suggest that they are useful in certain situations. But microwaves bounce around inside the clothing causing different problems.

When I researched shielding suits worn by people who work on cell towers I was told by the rep that the suits do NOT fully block microwaves. The purpose was to prevent the worker from getting killed, but he still gets a hefty exposure. AND the head piece did something to change the microwaves – the distance it gets reflected back and forth from one side of the head to the other made it WORSE for the brain than the full-on microwave. Except of course it was preventing death!

There are people who wear the 'bee keeper' veil over their heads. I have noticed they usually wear it over a hat with a brim, and that makes it wider than the head. Wider is better for the brain.

At one point I successfully used shielding gloves (NOT grounded) to work on a laptop. They don't seem to make any difference with my current well shielded computer with wired keyboard. But what is strange is that the same shielding gloves were torture to others I know with EHS who were much less injured. So what works for one person is different for another.

Good luck!

EHS Safe Havens?

From: Sarah
Date: Thu, Aug 18, 2016 at 1:40 PM
Subject: EHS safe havens?

<http://www.emfs.com/article/emf-quiet-zones>

EMF Quiet Zones | EMFs.com
www.emfs.com

In an article published in 2006, Örjan Hallberg and Gerd Oberfeld estimated that by the year 2017, 50% of the population will be electrosensitive.

<https://electroplague.com/sanctuaries/>

Sanctuaries | Refugium
electroplague.com

134 thoughts on "Sanctuaries" rustic23 May 18, 2015 at 11:55 am. Kim – Your growing list of refugiums can only be heartwarming to the EHS multitudes living ...
<https://www.emfanalysis.com/emf-refugee/>

EMF Refugee
www.emfanalysis.com

What is an EMF Refugee? It is one of the many thousands of people around the world who are seeking places to live that are free of man-made microwave radiation and ...
http://www.next-up.org/NewsOfTheWorld/EHS_Refuge_Zone.php

EHS Refuge Zone in France - Next-up
www.next-up.org

France: EHS Refuge Zone "How it works" The EHS Refuge Zone is an extensive private property in an unspoiled rural area. It has been made available by the organization ...
<http://en.geovital.com/>

GEOVITAL - Radiation-free living - EMF Radiation ...
en.geovital.com

Our radiation protection is of the highest quality and is used world-wide on a daily basis. The same applies to our therapy mattresses and neck support pillows.
<http://www.next-up.org/NewsOfTheWorld/EHS.php#1>

<http://www.electrosensitivity.co/white-zones.html>

'Green' or 'White' zones - Electrosensitivity
www.electrosensitivity.co

White Zones, Green Bank, EHS, radiation quiet zones, human rights, cellphone. Wi-Fi. cellphone tower. mobile phone mast. cancer. ill health. ICNIRP. FCC. WHO. IEEE.
<http://www.phonescausebraincancer.com/wi-fi-sickness-increases-demand-for-radiation-free-zones/>

Wi-Fi Sickness Increases Demand for Radiation Free Zones ...
www.phonescausebraincancer.com

The Canada Council for the Arts has given a grant to Kim Goldberg to write a book about people who are now sick because of their exposure to wireless devices.

"In times of universal deceit - telling the truth is a revolutionary act ". George Orwell.

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You received this message because you are subscribed to the Google Groups "emfcontacts" group.

Increasing Number Of Deaths Due To Cancer Around Cell Tower

February 17, 2015

A cell phone mast emitting large amounts of radiation has caused 14 people living within a mile of it to die of cancer. 4 people living in a cul-de-sac yard from the site also died. Over the span of 7 years, 20 residents have developed tumours.

A campaign for the removal of the mast has been started by those who believe that it is causing cancer. The matter is still being investigated by the United Kingdom's Health Protection Agency. For fear of damaging the health of their children, parents have stopped taking their children to parks where masts are erected.

In 1995, the mast was set up on an abandoned water tower on the High Acres estate in Kingswinford, West Midlands. However, the campaigners state that the main issue arose in 2001, when a large number of antennae and dishes were installed. Tests were carried out on mast by the experts from the communications watchdog Ofcom, who discovered that this mast was emitting the highest amount of radiation in England.

Even with such high levels of radiation, it fell under the safety guidelines of the UK. One of the members of the protest group against the mast, a 52-year-old Wendy Baggott, who lives within 200 yards of the mast, said "It feels like a threatening presence looming all over the neighbourhood. Over the last seven years there have been 14 cancer deaths in the area. Four of those happened in this road. The wellbeing of the whole community is being affected."

"It is a massive concern to us that there is a children's play area so near to it. Parents and grandparents around here won't let their children go there because they are terrified they could get cancer," says the NHS clinical auditor, who is now retired and her husband Clive has developed skin cancer twice.

Michael Morris, 57, developed brain tumour and died in 2003. "There have been so many people in the neighbourhood who have died of these cancers. Michael used to take the dogs out for walks up there by the tower and I wonder if it might have been that. When these masts came I think it was when he started to go downhill," says Pamela, 61, Michael's widow.

Betty Genner, 68, who died of ovarian cancer in 2003 was among the 14 deaths caused by the cell towers. 2 years later, Dorothy Day, aged 69, also died of cancer. Another woman, who could not survive a brain tumour, died 6 months ago. The deceased lived close to the mast.

Irrespective of all the deaths caused by cell phone masts, the Government claims that they pose no danger to the health of the masses. However, it is believed by many that such radiation is capable of changing the cell composition, making them vulnerable to cancer.

A spokesman of Ofcom stated, "This is the highest level of exposure that we have recorded in England this year. The tower recorded levels 5000 times below the safe exposure limit. It was not an excessive level of radiation. Other results around the country have been found to be around similar levels and this is well within the safety limit."

The Health Protection Agency's spokesperson said, "No concerns have been raised by general practitioners or other local health services in the area about any greater than expected numbers or unusual cases of any serious illnesses. Further contact is being made with local general practices to confirm that they do not have any specific concerns."

"The government keeps refusing to believe there is a problem. China and Russia realize this and keep their limits at a sixtieth of what we have got. We are being told nothing about the health effects. Agencies that should be helping the British public are not helping. Why are we putting up with it?" says Yasmin Skelt, a member of the Mast Sanity pressure group that campaigns against the rising number of cell phone masts.

Briefing:

The radiation emitted by cell phones is ten times more than what a microwave oven emits.
Radio waves from phone towers can penetrate almost an inch into body tissue.
Cell phones emit radiation that is stronger than that emitted by a mast.
In 2000, a study backed by the government reported that link between masts and sickness inconclusive.
A total of 51,000 masts are present in UK.

What the Industry is Hiding – Your Cellphone is Lethal

February 10, 2015

What the Industry is hiding - Your Cellphone is lethal

You may not realize it, but you are participating in an unauthorized experiment – “the largest biological experiment ever,” in the words of Swedish neuro-oncologist Leif Salford. For the first time, many of us are holding high-powered microwave transmitters – in the form of cell phones – directly against our heads on a daily basis.

Cell phones generate electromagnetic fields (EMF), and emit electromagnetic radiation (EMR). They share this feature with all modern electronics that run on alternating current (AC) power (from the power grid and the outlets in your walls) or that utilize wireless communication. Different devices radiate different levels of EMF, with different characteristics.

What health effects do these exposures have?

Therein lies the experiment.

The many potential negative health effects from EMF exposure (including many cancers and Alzheimer’s disease) can take decades to develop. So we won’t know the results of this experiment for many years – possibly decades. But by then, it may be too late for billions of people.

Today, while we wait for the results, a debate rages about the potential dangers of EMF. The science of EMF is not easily taught, and as a result, the debate over the health effects of EMF exposure can get quite complicated. To put it simply, the debate has two sides. On the one hand, there are those who urge the adoption of a precautionary approach to the public risk as we continue to investigate the health effects of EMF exposure. This group includes many scientists, myself included, who see many danger signs that call out strongly for precaution.

On the other side are those who feel that we should wait for definitive proof of harm before taking any action. The most vocal of this group include representatives of industries who undoubtedly perceive threats to their profits and would prefer that we continue buying and using more and more connected electronic devices.

This industry effort has been phenomenally successful, with widespread adoption of many EMF-generating technologies throughout the world. But EMF has many other sources as well. Most notably, the entire power grid is an EMF-generation network that reaches almost every individual in America and 75% of the global population. Today, early in the 21st century, we find ourselves fully immersed in a soup of electromagnetic radiation on a nearly continuous basis.

What we know

The science to date about the bioeffects (biological and health outcomes) resulting from exposure to EM radiation is still in its early stages. We cannot yet predict that a specific type of EMF exposure (such as 20 minutes of cell phone use each day for 10 years) will lead to a specific health outcome (such as cancer). Nor are scientists able to define what constitutes a ‘safe’ level of EMF exposure.

However, while science has not yet answered all of our questions, it has determined one fact very clearly – all electromagnetic radiation impacts living beings. As I will discuss, science demonstrates a wide range of bioeffects linked to EMF exposure. For instance, numerous studies have found that EMF damages and causes mutations in DNA – the genetic material that defines us as individuals and collectively as a species. Mutations in DNA are believed to be the initiating steps in the development of cancers, and it is the association of cancers with exposure to EMF that has led to calls for revising safety standards. This type of DNA damage is seen at levels of EMF exposure equivalent to those resulting from typical cell phone use.

The damage to DNA caused by EMF exposure is believed to be one of the mechanisms by which EMF exposure leads to negative health effects. Multiple separate studies indicate significantly increased risk (up to two and three times normal risk) of developing certain types of brain tumors following EMF exposure from cell phones over a period of many years. One review that averaged the data across 16 studies found that the risk of developing a tumor on the same side of the head as the cell phone is used is elevated 240% for those who regularly use cell phones for 10 years or more. An Israeli study found that people who use cell phones at least 22 hours a month are 50% more likely to develop cancers of the salivary gland (and there has been a four-fold increase in the incidence of these types of tumors in Israel between 1970 and 2006). And individuals who lived within 400 meters of a cell phone transmission tower for 10 years or more were found to have a rate of cancer three times higher than those living at a greater distance. Indeed, the World Health Organization (WHO) designated EMF – including power frequencies and radio frequencies – as a possible cause of cancer.

While cancer is one of the primary classes of negative health effects studied by researchers, EMF exposure has been shown to increase risk for many other types of negative health outcomes. In fact, levels of EMF thousands of times lower than current safety standards have been shown to significantly increase risk for neurodegenerative diseases (such as Alzheimer’s and Lou Gehrig’s disease) and male infertility associated with damaged sperm cells. In one study, those who lived within 50 meters of a high-voltage power line were significantly more likely to develop Alzheimer’s disease when compared to those living 600 meters or more away. The increased risk was 24% after one year, 50% after 5 years, and 100% after 10 years. Other research demonstrates that using a cell phone between two and four hours a day leads to 40% lower sperm counts than found in men who do not use cell phones, and the surviving sperm cells demonstrate lower levels of motility and viability.

EMF exposure (as with many environmental pollutants) not only affects people, but all of nature. In fact, negative effects have been demonstrated across a wide variety of plant and animal life. EMF, even at very low levels, can interrupt the ability of birds and bees to navigate. Numerous studies link this effect with the phenomena of avian tower fatalities (in which birds die from collisions with power line and communications towers). These same navigational effects have been linked to colony collapse disorder (CCD), which is devastating the global population of honey bees (in one study, placement of a single active cell phone in front of a hive led to the rapid and complete demise of the entire colony). And a mystery illness affecting trees around Europe has been linked to Wi-Fi radiation in the environment.

There is a lot of science – high-quality, peer-reviewed science – demonstrating these and other very troubling outcomes from exposure to electromagnetic radiation. These effects are seen at levels of EMF that, according to regulatory agencies like the Federal Communications Commission (FCC), which regulates cell phone EMF emissions in the United States, are completely safe.

An unlikely activist

I have worked at Columbia University since the 1960s, but I was not always focused on electromagnetic fields. My PhDs in physical chemistry from Columbia University and colloid science from the University of Cambridge provided me with a strong, interdisciplinary academic background in biology, chemistry, and physics. Much of my early career was spent investigating the properties of surfaces and very thin films, such as those found in a soap bubble, which then led me to explore the biological membranes that encase living cells.

I studied the biochemistry of infant respiratory distress syndrome (IRDS), which causes the lungs of newborns to collapse (also called hyaline membrane disease). Through this research, I found that the substance on the surface of healthy lungs could form a network that prevented collapse in healthy babies (the absence of which causes the problem for IRDS sufferers).

A food company subsequently hired me to study how the same surface support mechanism could be used to prevent the collapse of the air bubbles added to their ice cream. As ice cream is sold by volume and not by weight, this enabled the company to reduce the actual amount of ice cream sold in each package. (My children gave me a lot of grief about that job, but they enjoyed the ice cream samples I brought home.)

I also performed research exploring how electrical forces interact with the proteins and other components found in nerve and muscle membranes. In 1987, I was studying the effects of electric fields on membranes when I read a paper by Dr. Reba Goodman demonstrating some unusual effects of EMF on living cells. She had found that even relatively weak power fields from common sources (such as those found near power lines and electrical appliances) could alter the ability of living cells to make proteins. I had long understood the importance of electrical forces on the function of cells, but this paper indicated that magnetic forces (which are a key aspect of electromagnetic fields) also had significant impact on living cells.

Like most of my colleagues, I did not think this was possible. By way of background, there are some types of EMF that everyone had long acknowledged are harmful to humans. For example, X-rays and ultraviolet radiation are both recognized carcinogens. But these are ionizing forms of radiation. Dr. Goodman, however, had shown that even non-ionizing radiation, which has much less energy than X-rays, was affecting a very basic property of cells – the ability to stimulate protein synthesis.

Because non-ionizing forms of EMF have so much less energy than ionizing radiation, it had long been believed that non-ionizing electromagnetic fields were harmless to humans and other biological systems. And while it was acknowledged that a high enough exposure to non-ionizing EMF could cause a rise in body temperature—and that this temperature increase could cause cell damage and lead to health problems – it was thought that low levels of non-ionizing EMF that did not cause this rise in temperature were benign.

In over 20 years of experience at some of the world's top academic institutions, this is what I'd been taught and this is what I'd been teaching. In fact, my department at Columbia University (like every other comparable department at other universities around the world) taught an entire course in human physiology without even mentioning magnetic fields, except when they were used diagnostically to detect the effects of the electric currents in the heart or brain. Sure magnets and magnetic fields can affect pieces of metal and other magnets, but magnetic fields were assumed to be inert, or essentially powerless, when it came to human physiology.

As you can imagine, I found the research in Dr. Goodman's paper intriguing. When it turned out that she was a colleague of mine at Columbia, with an office just around the block, I decided to follow up with her, face-to-face. It didn't take me long to realize that her data and arguments were very convincing. So convincing, in fact, that I not only changed my opinion on the potential health effects of magnetism, but I also began a long collaboration with her that has been highly productive and personally rewarding.

During our years of research collaboration, Dr. Goodman and I published many of our results in respected scientific journals. Our research was focused on the cellular level – how EMF permeate the surfaces of cells and affect cells and DNA – and we demonstrated several observable, repeatable health effects from EMF on living cells. As with all findings published in such journals, our data and conclusions were peer reviewed. In other words, our findings were reviewed prior to publication to ensure that our techniques and conclusions, which were based on our measurements, were appropriate. Our results were subsequently confirmed by other scientists, working in other laboratories around the world, independent from our own.

A change in tone

Over the roughly 25 years Dr. Goodman and I have been studying the EMF issue, our work has been referenced by numerous scientists, activists, and experts in support of public health initiatives including the BioInitiative Report, which was cited by the European Parliament when it called for stronger EMF regulations. Of course, our work was criticized in some circles, as well. This was to be expected, and we welcomed it – discussion and criticism is how science advances. But in the late 1990s, the criticism assumed a different character, both angrier and more derisive than past critiques.

On one occasion, I presented our findings at a US Department of Energy annual review of research on EMF. As soon as I finished my talk, a well-known Ivy League professor said (without any substantiation) that the data I presented were “impossible.” He was followed by another respected academic, who stated (again without any substantiation) that I had most likely made some “dreadful error.” Not only were these men wrong, but they delivered their comments with an intense and obvious hostility.

I later discovered that both men were paid consultants of the power industry – one of the largest generators of EMF. To me, this explained the source of their strong and unsubstantiated assertions about our research. I was witnessing firsthand the impact of private, profit-driven industrial efforts to confuse and obfuscate the science of EMF bioeffects.

Not the first time

I knew that this was not the first time industry opposed scientific research that threatened their business models. I’d seen it before many times with tobacco, asbestos, pesticides, hydraulic fracturing (or “fracking”), and other industries that paid scientists to generate ‘science’ that would support their claims of product safety.

That, of course, is not the course of sound science. Science involves generating and testing hypotheses. One draws conclusions from the available, observable evidence that results from rigorous and reproducible experimentation. Science is not sculpting evidence to support your existing beliefs. That’s propaganda. As Dr. Henry Lai (who, along with Dr. Narendra Singh, performed the groundbreaking research demonstrating DNA damage from EMF exposure) explains, “a lot of the studies that are done right now are done purely as PR tools for the industry.”

An irreversible trend

Of course EMF exposure – including radiation from smart phones, the power lines that you use to recharge them, and the other wide variety of EMF-generating technologies – is not equivalent to cigarette smoking. Exposure to carcinogens and other harmful forces from tobacco results from the purely voluntary, recreational activity of smoking. If tobacco disappeared from the world tomorrow, a lot of people would be very annoyed, tobacco farmers would have to plant other crops, and a few firms might go out of business, but there would be no additional impact.

In stark contrast, modern technology (the source of the human-made electromagnetic fields discussed here) has fueled a remarkable degree of innovation, productivity, and improvement in the quality of life. If tomorrow the power grid went down, all cell phone networks would cease operation, millions of computers around the world wouldn't turn on, and the night would be illuminated only by candlelight and the moon—we'd have a lot less EMF exposure, but at the cost of the complete collapse of modern society.

EMF isn't just a by-product of modern society. EMF, and our ability to harness it for technological purposes, is the cornerstone of modern society. Sanitation, food production and storage, health care – these are just some of the essential social systems that rely on power and wireless communication. We have evolved a society that is fundamentally reliant upon a set of technologies that generate forms and levels of electromagnetic radiation not seen on this planet prior to the 19th century.

As a result of the central role these devices play in modern life, individuals are understandably predisposed to resist information that may challenge the safety of activities that result in EMF exposures. People simply cannot bear the thought of restricting their time with – much less giving up – these beloved gadgets. This gives industry a huge advantage because there is a large segment of the public that would rather not know.

Precaution

My message is not to abandon gadgets – like most people, I too love and utilize EMF-generating gadgets. Instead, I want you to realize that EMF poses a real risk to living creatures and that industrial and product safety standards must and can be reconsidered. The solutions I suggest are not prohibitive. I recommend that as individuals we adopt the notion of 'prudent avoidance', minimizing our personal EMF exposure and maximizing the distance between us and EMF sources when those devices are in use. Just as you use a car with seat belts and air bags to increase the safety of the inherently dangerous activity of driving your car at a relatively high speed, you should consider similar risk-mitigating techniques for your personal EMF exposure.

On a broader social level, adoption of the Precautionary Principle in establishing new biologically-based safety standards for EMF exposure for the general public would be, I believe, the best approach. Just as the United States became the first nation in the world to regulate the production of chlorofluorocarbons (CFCs) when science indicated the threat to earth's ozone layer – long before there was definitive proof of such a link – our governments should respond to the significant public health threat of EMF exposure. If EMF levels were regulated just as automobile carbon emissions are regulated, this would force manufacturers to design, create, and sell devices that generate much lower levels of EMF.

No one wants to return to the dark ages, but there are smarter and safer ways to approach our relationship – as individuals and across society – with the technology that exposes us to electromagnetic radiation.

Excerpted from "Overpowered: What Science Tells Us About the Dangers of Cell Phones and Other Wifi-age Devices" by Martin Blank, PhD. Published by Seven Stories Press, March 2014. ISBN 978-1-60980-509-8. All rights reserved.

Parents and Scientists Push for a Wi-Fi Ban in Schools

February 10, 2015

The American Academy of Pediatrics has warned that the safety limits of the radiation emissions from mobile phones and Wi-Fi are "not an accurate predictor of actual exposure."

Wi-Fi in schools has been discouraged by the government of France, until they are sure that it is “safe for human consumption”. Similarly, the use of cabled computers in place of Wi-Fi has been recommended by Germany’s government for schools. A ban on Wi-Fi in classrooms has been initiated by the Council of Europe.

Moreover, in Israel, wired computers are used instead of Wi-Fi in classrooms and the teachers have been instructed by the Ministry of Education to turn it off when not in use.

The group Wi-Fi in Schools comprises of parents concerned about the Wi-Fi issue in Australia, is passing around a “non-consent” letter, that is to be given to the school principal by the parents saying they don’t want their children exposed to 6 hours of Wi-Fi every day.

The group says “In order to minimise exposure to wireless radiation, we favour wired communications as a safer option until there is conclusive evidence that there are no harmful effects from long-term use.”

The Australian Radiation and Nuclear Safety Agency (ARPANSA) maintains that use of Wi-Fi in schools is harmless and totally safe. However, it has been stated by Emeritus Professor Ian Lowe, a member of the Radiation Health and Safety Advisory Council, that the Wi-Fi and cell phone emission standards for children need to be investigated by the council. While talking to the New Corp Australia papers, he said, “When children’s health is concerned it’s always sensible to err on the side of caution. You should not deploy technology, be it Wi-Fi in schools or diagnostic technologies, until you can be sure it is safe and cost-effective. I don’t think it’s sensible to spend public money so kids can wander around and use Wi-Fi in the corridors.”

Professor Lowe believes that the radiation emitted from Wi-Fi is “very low”. An electric blanket emits more radiation than Wi-Fi, he said. A spokesperson of ARPANSA finds the Wi-Fi radiation to be “well within the safety limits.” He said, “Some people have expressed concern and ARPANSA has advised that there is no consistent evidence to date that exposure to radiofrequency (RF) electromagnetic energy (EME) from Wi-Fi adversely affects the health of children or the general population.”

To “limit their exposure”, parents should discourage their children from holding the phone against the side of their head. He further says, “However, ARPANSA does not provide a similar recommendation for Wi-Fi where the RF exposure is typically lower than a mobile phone used against the head.”

America’s limit for radiation from cell phones and Wi-Fi is being reviewed by the US Federal Communications Commission. Representing 60,000 pediatricians, the American Academy of Pediatrics has informed the commission that “children are not little adults and are disproportionately impacted by all environmental exposures, including cell phone radiation.”

The academy has stated in a letter, “It is essential that any new standard for cell phones or other wireless devices be based on protecting the youngest and most vulnerable populations to ensure they are safeguarded throughout their lifetimes.”

The Australian Centre for Electromagnetic Bioeffects Research has been given a \$5m grant from the government to observe how the brain functions are affected by electromagnetic energy and they maintain that no significant evidence exists on the link between low-level electromagnetic radiation and health.

“There is not enough information, particularly relating to children, to be sure that it doesn’t,” says the Research Centre’s director, Professor Rodney Croft. He stated that new standards for electromagnetic radiation have been imposed by India, which are 10% of the limit set by Australia. He further said, “They are more political decisions than science-based decisions.”

Professor Bruce Armstrong, who led Australia's contribution to the World Health Organisation's Interphone study on mobile phone safety, said that there had been "relatively little work done on Wi-Fi."

He said, "When a person is using a mobile phone to their car they are transmitting radiofrequency energy just a few centimeters from their brain. But Wi-Fi exposure is way, way less than mobile phone exposure, such that I don't think anyone has thought it would be likely to be an issue. Sure it could be researched, but the reality is it hasn't been done." Professor Armstrong feels that it is "preferable" for children to "not be using mobile phones much, if at all." He said, "It's a wonderful security tool but I'd be saying to my child, 'I don't want you having long conversations on the mobile phone, I'd prefer you use a landline'."

Dr. Geza Benke, being a member of the Monash University team that is working on the global Mobi-Kids project, said that the signals that the Wi-Fi emit are "one hundredth to one thousandth" of the strength of a cell phone held to the head. However, he believes that the amount of radiation emitted by a Wi-Fi router could be of the same level as that emitted by a cell phone base station located "hundreds of metres away".

He said, "The Wi-Fi most likely is on all day so kids might get six hours of exposure. When you're on your phone most people spend just a couple of minutes. The best thing to do, and this isn't being done, is to have a dosimeter (to measure radiation) put on children and let them go around for a couple of weeks and actively measure what their exposure is in the classroom from Wi-Fi."

Olle Johansson, a Swedish neuroscientist at the Department of Neuroscience, Karolinska Institute in Stockholm holds that schools should ban the use of Wi-Fi. While talking to the News Corp Australia newspapers, he said "These wireless systems are never off, and the exposure is not voluntary. Exposures should be reduced now rather than waiting for proof of harm before acting."

Andrew Finch, the deputy secretary at Tasmania's Education Department, said that the standards set by the Australian Communications and Media Authority are met by the Wi-Fi in schools so everyone was "deemed to be safe". He said, "Any parent who has concerns about Wi-Fi in the classroom should discuss their concerns with the school principal."

According to a spokesperson of the Victorian Education Department, Wi-Fi in schools did not meet the Australian Communications and Media Authority standards. He stated, "Independent testing showed the highest reading was just 0.17 per cent of the ACMA limit."

It was "impractical" to disconnect Wi-Fi when nobody is using it, says a spokesman of the South Australian Education Department. According to him, "It is possible to turn off or disconnect wireless access points in school. However, the technical expertise required or physical location of many of these access points would make it impractical."

The department took "pragmatic measures to minimise exposure" by setting up Wi-Fi routers on the ceiling or at least half a metre away from the children, says a NSW Education spokesman. He finds cutting off power to wireless access points mounted on the ceilings to be "impractical".

He said, "The department maintains its commitment to providing a safe learning environment for students and will continue to review reputable information sources investigating the effects of RF EMR from wireless devices."

Educators Advise Parents To Turn Off Wi-Fi At Night

February 8, 2015

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 75

September 17, 2016

Teachers have been requesting parents to turn off the Wi-Fi at bedtime, to prevent the children going online. This is because children stay up on their tablets, and PCs all night, and go to school sleepy, tired and unable to focus on school work.

Mark Montgomery, a technology teacher, asked the doctors to investigate the health consequences of using the internet all the time. At the annual conference of the Association of Teachers and Lecturers, he made a speech on how his colleagues have seen students being visibly tired and moody after having stayed up all night on websites like Facebook and Twitter.

He said, “I have three sons. When they were younger, I would go to bed and turn off the Wi-Fi. Parents need to do that. Turn the Wi-Fi off. There is the ability to restrict the amount of time they are online for, there are apps to download. Children get obsessed with things and find it difficult to say no. If you take a two-year-old’s teddy bear away or a teenager’s X-Box they will rant and rave. But an adult will go and do something different.”

The teachers asked medical experts to come up with fact sheets on juvenile addiction to computer tablets. This motion was to be proposed by Mr. Montgomery at the ATL conference in Manchester, on behalf of the Northern Island branch. It included the indications of computer addiction, which were a lack of control, loss of interest in other activities, deception, furtiveness and irritability.

He stated, “Children are sitting up all night on them, using games websites, Facebook and Twitter. They are coming into schools and they are not progressing because they are tired and burnt out. They are gaining weight, getting repetitive strain injury. We need to look at it and we need guidance. I am a technology teacher and I run two websites. I am not saying don’t use this stuff. But medical people need to look at it from the health point of view and how it affects your brain.”

The general secretary of the ATL, Mary Boustead has been insisting that parents need to confiscate the tablet computers at bedtime. She stated “You say, “Turn your tablet off now, go to bed” and two hours later you go up and under the duvet they are still playing the computer game.”

The debate on addiction to the internet escalated when 15-year-old Tallulah Wilson from West Hampstead, jumped in front of a train at the St Pancras Station in 2012. Her mother claimed she was involved in a “toxic digital world” and was suffering from depression. Tallulah posted suicidal notes on the website Tumblr and browsed through websites that have been accused of promoting suicide.

Radiation From Unauthorized Smart Meters Is Life Threatening

February 4, 2015

For 6 years, Virginia Farver, a resident of Fort Collins, has been asking for the provision of safety and protection from EMR. Her son died as a result of brain cancer and the doctor suspected that cell phone radiation caused it. Farver says, “I don’t own one anymore and I do not have Wi-Fi in my home and I try to avoid this stuff as much as possible, which has led me into this smart-meter fight.”

Many people, along with Farver, are against the forcible installation of smart meters by utility companies which help in monitoring the energy consumption. Despite all the protests against the installation of a wireless meter, Fort Collins Power and Light came to Farver’s house in March, with the police to set up the meter.

According to the utility company’s representative, the smart meters are read manually and are incapable of broadcasting anything.

A member of the EMR Action Day, Susan Clark, conducted a research on the biological effects of radio-frequency radiation at Harvard University. She believes that it is possible to live a life that does not include cell phones and Wi-Fi. She stated, “People find that they sleep better, they feel so much better, they can think better, remember better, and their behavior is actually better too. We all act, let’s say, in a more kind and loving way toward each other when we’re not bombarded by unnatural electromagnetic radiation.”

Farver plans to get a radiation shield for her smart meter, though she can’t do anything to protect herself from all the others in the neighbourhood.

According to the Energy Policy Act of 2005, smart meters should only be installed at the request of the customers. However, this is not being followed.

Farver says, “This is what’s happening across the nation.” She further says, “They are not telling anybody about these. They are just coming through the night and basically within a few days get all these meters installed before anybody really realizes what’s going on.”

Rich Farver, Virginia’s son was one of eight students at San Diego State University campus between 2008-2010 to die of brain cancer. All of them worked and lived very close to the same cell phone tower.

WHO Classifies Cell Phones As A Possible Carcinogen

February 3, 2015

After years of the cell phone companies and related scientists denying links between mobile phones and cancer, the WHO now has sufficient evidence to classify cell phones as a possible carcinogen just like lead, DDT and exhaust from vehicles. This is a major wake-up call to those addicted to their mobile phones; a few years from now, you might be dying from cancer – thanks to your mobile.

Scientists say that these tumours caused by mobile radiation may take years to develop, hence exposure to mobile radiation has to be reduced now to avoid life-threatening tumours like the glioma. Precautionary measures like using a headset, using the speaker for calls and holding mobiles away from the body may save your life.

Victims of Wireless

February 1, 2015 Electrosensitivity

These are heartbreaking personal stories from those victimized by EMF radiation. Their lives have been radically altered, and dreams crushed due to the electrosmog surrounding their homes and workplaces. Going to public places is a challenge, and they face horrible side effects due to the Wi-Fi, mobile towers and smart meters.

These brave sufferers have come forth to tell their story in the hope it will help other people to escape from the pain they suffer. In spite of the ridicule heaped on them by the ignorant public and utility companies they feel speaking out is the only way to curb the radio pollution affecting us all. Hear their pathetic stories on <https://www.youtube.com/watch?v=PGVmnAPHNjM>.

The Wireless Industry Blocks Health Warnings On Cell Phones

January 19, 2015

In opposition to the wireless industry's legal violation of mobile phone safety laws throughout the world, all those concerned about health issues from the California Brain Tumor Association and Stop Smart Meters have put out health warnings on cell phones on sale in Verizon's Market St. store, San Francisco. The labels were removed by the store management, but they did not report this to the police as potential arrests would bring the health issue into the lime light. The company was further ridiculed when one of its employees put the health warning label on his personal cell phone to show aggressiveness against the company's act of not disclosing the health information.

A 'right-to-know' law was passed by the San Francisco Board of Supervisors in 2011, regarding the provision of a fact sheet by the cell phone retailers for the consumers, when they purchase a cell phone, along with the World Health Organization classification and the manufacturer's own language concealed in the cell phone. A manual was also to be provided to the consumers that would inform the consumers about maintaining a distance of 5/8 inch between themselves and the cell phone, while it was turned on. The Wireless Association (CTIA) took legal action against the city and no longer held their conferences in San Francisco. They believed that this 'forced speech' was violating the company's First Amendment rights. "Their behavior makes me even more concerned as to what they are hiding," says Mayor Newsom. Even though the city did not lose the case, the Board of Supervisors was forced to revoke the law under the guidance of Mayor Lee. This meant that customers would be left in the dark regarding their mobile phone radiation's health consequences.

A cell phone labeling law was passed by the state of Maine last month. The CTIA crowded the halls of Augusta Capitol the very next day. After the bill went for being stamped, a lot of legislators changed their votes and the already passed bill was killed. A short time ago, the State Senator and Dr. Josh Green received a cell phone labeling bill in Hawaii, which the state Health Committee passed. Then, this bill was passed to Sen. Roz Baker of Maui who not only showed no interest in hearing it, but also declined it. In the same week, she refused hearing the GMO labeling bill. Mark Leo, California's State Senator has been unable to execute the cell phone labeling bill in California and the industry contributions to state Senators have shut it down. Those cities and states that have attempted legislation have received threatening letters from CTIA pertaining legal action.

Brain tumour is not the only outcome of radiation, but breast cancer, leukemia, salivary gland tumours, damage to fetuses, sperm damage and an increased chance of autism and electro-hypersensitivity are also caused by it. The American Academy of Pediatrics stated in 2013, "Current FCC standards do not account for the unique vulnerability and use patterns specific to pregnant women and children. It is essential that any new standards for cell phones and other wireless devices be based on protecting the youngest and most vulnerable population to ensure they are safeguarded throughout their lifetimes." All types of wireless radiation, even from smart meters have been included in the WHO classification. 15 more nations are working in an attempt to deal with the consequences of wireless radiation that endangers health. On the other hand, the US is indifferent to this matter and is letting Americans to be negatively affected by it.

A letter to the National Telecommunications and Information Administration from the US Department of Interior in February, mentioned the studies that had displayed the effects on protected migratory birds from cell tower radiation. The letter reads, "The electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now easily 30 years out of date and inapplicable today." These guidelines are interrelated with the harmful health implications in humans.

In 2008, Ellen Mark's husband fell victim to cell phone related brain tumor. She said, "Cell phones were never pre-market tested for safety. My husband and thousands of others have developed cancer because of industry greed. FCC Chair Wheeler buried the truth about the risks of cell phones and now families are burying the dead. Hazards of Cell Phones, Wireless Devices, Etc – Book Three 78 September 17, 2016

I am outraged that honest legislators throughout the US are being shut down by the majority who put campaign contributions ahead of the health and safety of their constituents concerning a radiation emitting device used daily, even by children. Getting the hidden warnings, which tell people to limit their use and carry them away from their body, to the consumer at the point of sale should not be this difficult! This madness must stop.” Mark, not only testified to Congress, but also worked on a federal cell phone ‘Right to know law’ and other laws in numerous cities and states which were never put into action despite being largely supported.

The Director of the grassroots group Stop Smart Meters, Josh Hart says, “Our labeling action is on behalf of the people of the City of San Francisco and those everywhere being harmed by wireless radiation. We will not sit idly by while the wireless industry takes advantage of a population that remains largely unaware of these deadly serious health risks. Placing warning labels on wireless devices is a reasonable and long overdue public health measure delayed by the collusions between government and industry. The cell phone and ‘smart’ grid industries are covering up the health risks from their products and people lack the information necessary to determine safe exposure levels for themselves and their families. Families are not only being evicted by tech-related gentrification, they are increasingly being subjected to serious health risks, even toxically evicted by the tech industry’s microwave radiation. The situation is unacceptable and intolerable, and these actions will continue until the industry ceases fighting reasonable, fact-based health warnings on their products.”

The Impact of 4G LTE Radiation on Brain Activity

January 23, 2015

Clinical Neurophysiology, a peer-reviewed journal has revealed that an exposure of 30 minutes to LTE (Long Term Evolution) cellphone radiation affects activity in both sides of the brain. For experimentation, 18 participants were exposed to LTE radio frequency waves for 30 minutes to see the effects on their right ear. A distance of 1 cm was maintained between the ear and the source of radiation. The level of radiation absorbed by the brain fell within the international (ICNIRP) cellphone legal limits. The researchers also set up a double blind, crossover, randomized experiment while exposing the participants to both real and fake exposures to eliminate biases from the study.

Magnetic resonance imaging (MRI) was used to measure the resting state brain activity of the participants at two instances; one, before being exposed to LTE radio frequency radiation and the other, after being exposed to a sham radiation.

The findings of the experiment were that LTE 4G radio frequency radiation has an impact on the brain’s neural activity. It affects the closer brain region, as well as the remote region, including the left hemisphere of the brain.

The importance of this study comes from two things; it is the first study that observes LTE’s and 4G’s short-term effects, and it shows the significance of adopting this technology.

The Global Mobile Suppliers Association believes that “LTE is the fastest developing mobile system technology ever.” In the world’s LTE market, US is the largest. There were a total of 91 million subscribers by March 2013. More than half of these, approximately 47 million, were American 4G subscribers.

This study observes the short-term effects of LTE radio frequency radiation. The long-term effects, however, still need to be studied. Though, there are some already existing links between these exposures to biological effects, including sperm damage, DNA breaks, increased glucose in the brain, weakened bones, genetic stress, immune system dysfunction and effects on unborn children. More serious diseases that are caused by these exposures are autism, brain tumors, breast cancer, Alzheimer’s disease and brain cancer.

Further research is required on the impacts of LTE radiation exposure and various other types of cellphone radiation, although we already have compelling evidence.

EMF-Omega-News 20. August 2016

From: "BI-CI Omega star.mail@online.de [emfrefugee]" <emfrefugee@yahoogroups.com>

Sent: Friday, August 19, 2016 10:49 PM

Subject: [emfrefugee] EMF-Omega-News 20. August 2016

Dear Sir, Madam, Ladies and gentlemen, dear friends,

For your information.

Best regards,
Klaus Rudolph
Citizens' Initiative Omega

Sometimes the links are missing. You can always find them here: <http://www.buergerwelle.de/en/>

<http://www.buergerwelle.de/en/news/newsletter/>

<http://www.mastsanity.org/health-52.html>

<http://electromagnetichealth.org/category/electromagnetic-health-blog/>

Exacerbation of demyelinating syndrome after exposure to wireless modem with public hotspot

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7548/>

Medical aspects on public exposure to RF fields

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7545/>

Brits Doing Good Job on Radiation Threats

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7546/>

How to think about the risks of mobile phones and Wi-Fi

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7549/>

Spain: High Court of Madrid Ruling Recognizes "Electrosensitivity" as Grounds for Total Permanent Disability

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7550/>

News from Mast Sanity

<http://tinyurl.com/2vhcbl6>

<http://tinyurl.com/aotw3>

Our links:

<http://tinyurl.com/yjpu7wg>

<http://tinyurl.com/93epp>

<http://tinyurl.com/9w2sx>

<http://tinyurl.com/aotw3>

<http://tinyurl.com/oja9t>

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September 17, 2016

<http://tinyurl.com/jyemw>
<http://groups.yahoo.com/group/EMR-EMF/>
<http://groups.yahoo.com/group/emf-omega-news/>

Note: Editor and responsible for the content: Citizens' Initiative Omega. Our messages are the result of many hours of daily research, roundup and editing.

If you have information which you would like to share with your friends and colleges around the world and which are from common interest, please send us this information, we will send them out.

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Words of Wisdom

"Act as if the principle by which you act were about to be turned into a universal law of nature". --Immanuel Kant

"You may never know what results come from your action. But if you do nothing, there will be no results." -- Gandhi

"The arc of history is long, but it bends towards justice." --Martin Luther King, Jr.

"Our lives begin to end the day we become silent about things that matter." --Martin Luther King, Jr.

"Your silence will not protect you." --Audre Lorde

"A time comes when silence is betrayal." --Martin Luther King

"Liberty can not be preserved without general knowledge among people." --John Adams

"The world shrinks or expands in proportion to one's courage." --Anais Nin

"Remaining silent about the destruction of nature is an endorsement of that destruction."
--Redwood Mary (a.k.a. Mary Rose)

That which is looked upon by one generation as the apex of human knowledge is often considered an absurdity by the next, and that which is regarded as a superstition in one century may form the basis of science for the following one. --Paracelsus

"How could I imagine how lost in the open field I was." --Neal Lindley

"Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has." --Margaret Mead

" If one advances confidently in the direction of their dreams,
And endeavors to lead a life which they have imagined,
They will meet with a success unexpected in common hours."
--Henry David Thoreau

"Thousands of candles can be lighted from a single candle, and the life of the candle will not be shortened. Happiness never decreases by being shared." --Buddha

Motivation is not a problem for anyone who accepts the extraordinary truth contained in Yeshe Aro's ancient prescription for happiness: "On this depends my liberation: to assist others – nothing else."

"Where do the wars and where do the conflicts among you come from?
Is it not from your passions that make war within your members?
You covet but do not possess.
You kill and envy but you cannot obtain; you fight and wage war.
You do not possess because you do not ask.
You ask but do not receive, because you ask wrongly, to spend it on your passions."
James 4: 1-3 (James is the brother of Jesus, who became a leader in the early church)

Brits Doing Good Job on Radiation Threats

Mon., Aug. 15, 2016

By Jack O'Dwyer

Holby City, U.K. medical drama series, explored the effects of radiation, showing how reduction in exposure "drastically reduced" the painful symptoms of one victim.

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September 17, 2016

The BBC aired a program that showed a patient who was “visually very ill, claiming every ailment imaginable but totally unaware of the condition affecting him.”

The patient revealed that his job is working with Wi-Fi. He said he must “live” in his car because that is the only place where he does not feel ill.

After doctors at three hospitals said he was in perfect health and sent him away, he went to Holby City for help.

Symptoms were initially dismissed until one medical staffer searched the web and made a diagnosis of sensitivity to electromagnetic radiation. In the episode that was aired by Holby City, the patient found his symptoms were reduced “drastically” when he was put in a room with lower exposure to radiation. There is also a separate Youtube of the episode.

Geovital Academy Pursues EMF

Geovital logoGeovital Academy, Braintree, Essex, U.K., has focused for 35 years “with great intensity on the cause and effect relationship between radiation exposure and its effects on health.”

“If even weak environmental influences affect the regeneration of the body and consequently its ability to fight disease, then the basis for health is significantly jeopardized,” it says. Its goal is the “successful health recovery of patients” using its own technology and approach.

Protection against radiation is “imperative” currently because of many recent developments, it says. The site covers the types of radiation and how they affect health and describes symptoms that are “clear indications of the presence of geopathic burdens.”

Geovital lauds the Holby City segment but says there are “far better solutions” to radiation sensitivity than suggested by the program.

“Merely turning off Wi-Fi is not going to remove all of it in most locations,” it says.

“There are phone signals from all the different communications companies, , different standards like 3G, 4G and soon 5G(!), directional transmitters on cellphone towers (the round drums enabling them to relay data from tower to tower), airport navigation equipment, radar, Wi-Fi from devices, toys, the neighbors or supplied throughout a city, power supply cables running up and down the street, to your house, in your house, solar panels, electric cars and much more.”

Geovital Sells Shielding Materials

Rather than moving to the country to avoid radiation, Geovital recommends using “radiation shielding” products such as “Nova Shielding Fabric,” “T98 Shielding Paint,” and “GPA Shielding Mesh” that can be made part of walls, ceilings and roofs

The fabric can be used to shield windows or an entire room.

Geovital approves of the Holby City segment but says people should not wait until symptoms appear before taking steps to limit radiation exposure.

“Our body is a chemical miracle as much as it is an electrical miracle,” it says. “Many bodily functions rely on electrical impulses and electrical receptors. Exposure to radiation will start having effects much earlier, before even the most minor of symptoms start appearing.”

“A precautionary approach is advised when we don’t know what the long-term effects will be for our generation and even five generations later,” it adds. “We are all affected by EMF radiation exposure...but many of us are just not symptomatic yet.” A health advocate said people do not wait until they have a toothache to go to the dentist.

Martin Kinsbury displays radiation meter

Since governments have been slow to take action on this health threat, “We have to take matters in our own hands and make sure our homes and families are protected,” it says.

U.K. Exec Seeks School Wi-Fi Ban

Martin Kingsbury of Braintree, U.K., who has a solar power business, is campaigning to ban Wi-Fi from schools throughout the U.K., claiming their electromagnetic radiation is causing harm.

Countries such as Israel and France have already introduced Wi-Fi bans around children of a young age, says Kingsburg, who wants the U.K. government to take a strong stand against the radiation.

“Manmade radiation has increased hundreds of times in the last 30 years,” he says.

A campaign to shut down Wi-Fi’s in the U.S. similar to Kingsbury’s is being waged by the editor of this website. Erin McKinley, of 27east.com and the Southampton Press, interviewed this reporter on the steps of the Westhampton Beach Village Hall and reported our view that the Wi-Fi’s should be shut pending investigation.

The 27east.com story drew 11 comments totaling 1,983 words. Nine of the letters supported turning off the routers and two questioned whether electromagnetic radiation is a danger.

NPR story on Gin Tub bar's cellphone ban

The story quoted Dr. Samuel Ryu, Chair of the Dept. of Radiation Oncology, Stony Brook Medicine, and Deputy Director, Clinical Affairs, Stony Brook University Cancer Center, as saying there are “no recognized studies linking the radiation emitted by Wi-Fi systems to diseases like cancer.”

Such radiation is far too weak to alter human DNA, he said. Frequent exposure to much stronger rays such as X-rays or gamma rays would be needed to harm a person, he said.

U.K. Bar Disables Cellphones, Internet

The Gin Tub bar in Sussex, U.K., has turned itself into a “Faraday cage” that blocks anyone in it from making calls, sending or receiving emails, texting, surfing the web, etc.

Owner Steve Tyler put copper wire mesh in the ceiling and tin foil on the walls, blocking cellphone signals from penetrating.

“I think I’ve hit a nerve in the world, that I think it’s rude, and I think society has accepted people on their phones in bars and in places where it’s socially unacceptable,” he said. Without phones in their hands, customers are now not just drinking in silence but instead talking to each other, he says, adding, “That’s how bars were intended.”

Tyler knows of no other bar doing this, but he feels this will be “the new way forward for restaurants, bars and clubs.

Multiple Factors Cause Corrosion and Failure of Reinforced Concrete

From: Ken
To: garyvesperman@yahoo.com
Sent: Sunday, August 21, 2016 8:56 PM
Subject: Multiple factors

Gary,

Fukushima radiation is proving to cause health problems for pilots and flight attendants. It is also implicated in accelerated embrittlement of aircraft aluminum and other metals.

While I admit we observed accelerated corrosion of any metal we used back when we were experimenting with accelerated hydrogen production, I have to point out we were working with frequencies and voltages way beyond the normal Wi-Fi or cell phone usage. The metallurgist we consulted with told us our signal, in the presence of water, was the very definition of metallic corrosion. The mere presence of a microwave signal in itself is not harmful to metals. But the energy from that accelerates natural corrosion with oxygen. Wet concrete is routinely poured over iron rebar. Rebar is of course the lowest grade of iron for economic reasons. Imagine how much is used in skyscrapers or Interstate highways. The presence of water in the initial assembly starts the clock ticking.

Electrolysis with other metals is a known problem just by placing them in contact with each other. Adding any sort of power, whether microwave or simple heat, will also accelerate the electrolysis/corrosion process even when no oxygen is present.

So again, I would be cautious blaming cell phones and Wi-Fi for what is also being contributed to by other known factors.

Ken

Pendant/Bracelet EMF Shield

From: bruce @ .com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 25, 2016 3:38 AM
Subject: RE: [emfrefugee] pendant/bracelet EMF shield

Hi Ela,

Many people may disagree with me on this, and I am ready to be corrected by anyone that can provide proof, but I think these things are a waste of time.

I don't see, and have not seen any proof, that something that does not cover your entire body, can shield you from anything.

The microwaves do not magically get attracted to the pendant or bracelet so that they do not hit your body.

They go straight past the pendant and hit your body regardless. And once that happens, it is too late, the damage is done. There may be one small spot on your chest where the pendant sits that is shielded, but that is not going to do you any good.

I have spent thousands on worthless junk like this; each time I got my hopes up for some relief; each time, I was ripped off. None of it works. If something is going to shield you, it must cover you, and even that has its problems. A pendant does not shield you no matter how many magical properties the manufacturer tells you it has.

Don't waste your money. I hope this helps.
Cheers

Bruce

<http://radiationrefuge.com>
<http://abuwebcommerce.com/>
Facebook: <https://www.facebook.com/RadiationRefuge>

From: "she @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 25, 2016 11:39 AM
Subject: RE: [emfrefugee] pendant/bracelet EMF shield

On Thu, 8/25/16, bruce [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

Subject: RE: [emfrefugee] pendant/bracelet EMF shield
To: emfrefugee@yahoogroups.com
Received: Thursday, August 25, 2016, 3:38 AM
Hi Ela

The Tesla bracelet helps strengthen your electromagnetic field. I'm not saying it's a fix, but it's supportive.

Christine

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 25, 2016 1:45 PM
Subject: [emfrefugee] Re: pendant/bracelet EMF shield

Q-Link has worked for me in the past. There is research to back it up. However, having said that, I think that it is a big mistake if people think that just because they wearing one of these pendants that they have a free license to keep on using their wireless devices. Regards, Paul Doyon, EMF Refugee List Owner

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, August 25, 2016 5:00 PM
Subject: RE: [emfrefugee] pendant/bracelet EMF shield

I would like to concur with Bruce on Claris products in particular but also for all the other similar 'magical' products out there. I really appreciate his speaking out on this issue for the sake of all those who are newly ill with EHS.

I'm a former EE with software, analog and digital design experience, and a few years with Motorola semiconductor. I've been living with severe ES for almost 30 years.

I've taken apart several of the Claris products and found that there was NOTHING active or special in them. This includes the pendant, the digital clock, and the surge suppressor. When I called Claris, I was told the digital clock product chip was reprogrammed. I told them I was familiar with that part, and it was not programmable. They then told me it was impressed with "ingrams". This is some sci-fi baloney straight from the original Star Trek series. (Ingrams were supposed to be the pattern of human thought which in the story were programmed into a computer.) The surge suppressor product had nothing but a standard surge suppressing component. The pendant had nothing but a large defective integrated circuit silicon with no cover or connecting gold wires to its pads, with no connection at all to anything, including the neck chain; in short, techno-jewelry. The newer Claris pendants have nothing at all inside, I'll bet.

Today we have all kinds of companies selling all kinds of fraud, based on pseudo-science such as 'quantum' or 'tachyon' technology. You have to wonder how they have mastered technologies that don't even exist today, and somehow applied them to solve a medical-biological problem that is not understood hardly at all???

Often they will refer to a 'study' – but what you will find is some low-grade garbage, published in some 3rd rate magazine with no formal review at all, typically funded by the company.

Placebo effect is alive and well. In studies it's found that the more people pay for a placebo, the stronger the placebo effect, and the more likely they are to promote what they have bought in order to sustain their own response.

Real, measurable reductions in your daily exposures, do help. Real, measurable shielding helps. Real treatment of your secondary infections and/or toxicity can help. Addressing food and chemical sensitivities can help.

Magic pendants and other magic devices are just as effective now as they have always been since the dawn of man.

Best Wishes,
Bruce

From: "W @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 26, 2016 4:00 AM
Subject: [emfrefugee] Re: pendant/bracelet EMF shield

I really want to agree that pendants and bracelets are a waste of money. However I have a "Smog Buster" – a little blue ceramic bead which helped me for several decades.

This bead was given to me by a Feng Shui expert in the 80s. I didn't understand what it was for, and I certainly knew nothing about electromagnetic sensitivity. By accident I found if I wore it on an airplane I was less 'jet lagged'. Many days it gave me more energy, but if I wore it to bed I could not sleep.

When I got very ill with EHS my little bead worked against me. Later I heard a man say that the pendants he was selling helped everyone except the most sensitive. I would have thought it was a line to cover his behind... "Hey try my stuff, but if you're sensitive enough to feel if it's really working or not – it doesn't work." ...But since I'd already had this experience I knew this guy genuinely knew what he was talking about.

When my bead was no longer helpful I found holding onto something natural helps. I suspect it draws some of the electricity out of my body. An old leather purse I'd had for 20 years worked best, but I also felt relief from holding ceramic dishes, some rocks, and the branch of a live tree. Certain branches worked better than others.

Bruce (I think) posted about holding water in his hands to help drain electricity.

From: "Jackie @sbcglobal.net [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Friday, August 26, 2016 4:20 AM
Subject: [emfrefugee] Re: pendant/bracelet EMF shield

Bruce, I agree totally. I've seen "studies" that would convince you the moon was made of green cheese. The only solution is to get strong enough to resist this onslaught of toxicity that plagues every area of our lives in this day & age. ~ Jackie~

From: "Bruce @ .com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, August 26, 2016 5:23 AM
Subject: RE: [emfrefugee] Re: pendant/bracelet EMF shield

Hi,

Very interesting about the beads.

I would just like to clarify something for you as it may help. As far as discharging pent up electrical charges in the body, I don't just hold the water in my hand. What I do is, create a connection to the earth via the water and the water pipe. Just holding water in my hands will not do much.

I cup the water in my hands, touch the faucet with my hands as well, and put my head in my hands so that I am creating a direct connection to the earth via the water and the water pipe.

This works extremely well. I find that by using this simple technique, I can go to places that I would not normally go to as long as every thirty minutes or so, I duck off to the tap and earth myself.

I just got back from the pub where they have Wi-Fi and DECT phones etc. I did this a few times tonight and I feel fine. I will have a small headache tomorrow and a bit of a Wi-Fi hangover, but apart from that, I will be fine. You just have to get out and socialize sometimes.

I hope this helps.

Cheers

Bruce

<http://radiationrefuge.com>
<http://abuwebcommerce.com/>

Smart Meters Violent Suppression Story from 3 Years Ago

From: Ken <>
To: garyvesperman@yahoo.com
Hazards of Cell Phones, Wireless Devices, Etc – Book Three 88

September 17, 2016

Sent: Thursday, August 25, 2016 8:15 PM

Subject: Story from 3 years ago

Gary,

In the odd blend of violent suppression and EMF hazards of Smart Meters, the host of a talk show I was on tonight brought up this story from Maine.

<http://bangordailynews.com/2013/07/12/news/state/pilot-injured-in-helicopter-crash-recovering-in-portland-hospital/>

She tells me the pilot was a very prominent activist working to stop Smart Meters in Maine. His day job was pilot for a tourist helicopter service. While flying a customer one day, his entire control panel in the helicopter went black. Sabotage? Another story for the stack. The host felt this guy might be a good one to contact for similar stories and research relating to EMF hazards.

Ken

Davis vs British Columbia Hydro Decision

From: Andrew Michrowski <paceincnet@gmail.com>

Sent: Friday, August 26, 2016 11:19 AM

Subject: Fwd: Davis vs BC Hydro decision

I find interesting the comments:

"... the proposed class description could probably be redrafted in an acceptable way"

"However, the plaintiffs (if they wish) have leave to apply to amend the notice of civil claim (to a form consistent with these Reasons) and add parties, providing they do so within 60 days of the date of these Reasons."

Andrew Michrowski

Davis v. British Columbia Hydro and Power...

[www.canlii.org/en/bc/bcsc/doc/2016/2016bcsc1287/2016bcsc1287 ...](http://www.canlii.org/en/bc/bcsc/doc/2016/2016bcsc1287/2016bcsc1287...)

August 2016 Stop Smart Meters! Bulletin

From: StopSmartMeters.org via ActionNetwork.org <info@stopsmartmeters.org>

To: garyvesperman@yahoo.com

Sent: Friday, August 26, 2016 6:32 PM

Subject: August 2016 Stop Smart Meters! Bulletin

Stop Smart Meters! Bulletin

August 2016 — Volume 36

Web: <http://stopsmartmeters.org>

E-Mail: info@stopsmartmeters.org

Twitter: @stopsmeters

Post: PO Box 682 Portola, CA 96122

Toll-Free Hotline: (888) 965-6435

BACK-TO-SCHOOL EMF METER SALE 10% OFF THROUGH TUESDAY

Get your kids the latest tech.....to protect them from the latest tech.

10% OFF ALL EMF METERS IN OUR STORE THROUGH TUES. 8/30

QUOTE OF THE MONTH

"If I can stop one heart from breaking,
I shall not live in vain;
If I can ease one life the aching,
Or cool one pain,
Or help one fainting robin
Unto his nest again,
I shall not live in vain."

-Emily Dickinson (1830 -1886), American Poet (thx to the Cecils;)

Make a donation of any size to support the work of Stop Smart Meters! -- Your donations go directly to this bulletin, the website, and our work with communities to educate and build meaningful resistance against toxic wireless technologies. Please Donate Today. Thank you.

CONTENTS:

1. SSM! Exclusive: Smart Meter Data at Crux of Arkansas Murder Case
2. FCC Approves "5G" Wireless, Wheeler Threatened by T-Shirt
3. Smart Meter Injury Testimonials (in case there were any doubts...)
4. Stop Smart Meters! Toll-Free Hotline a Lifeline to Many
5. New Gauss Meters, Kill-a-Watts, Books Now Available in Our Online Store
6. News: Humans "Detect Magnetic Fields", RF ecocide, Wi-Fi Birdhouse

1. Smart Meter Data at Crux of Arkansas Murder Case This father, James Bates, has been charged with first degree murder, based largely on readings obtained by police, without a warrant, from his smart water meter. He insists he is innocent and he recently told his story to Stop Smart Meters! Turns out smart meter data is being used by police routinely without obtaining a warrant. In this case, they just walked across the hall to the City Water Dept. Meanwhile, our 4th amendment rights are being eroded as more surveillance devices are installed in our neighborhoods. Read our exclusive investigation into the Bates case here:

http://stopsmartmeters.org/2016/08/26/smart-meter-data-at-crux-of-arkansas-murder-case/?link_id=9&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

2. FCC Approves "5G" Wireless, Threatened by T-Shirt On July 14th, Bloomberg reporter Todd Shields was stripped of his FCC press pass and intimidated by security, after he requested to see a T-shirt carried by an attendee with a wireless safety message on it, while tough questions asked of Wheeler during the press conference were ignored.

Meanwhile, the FCC has declared open season on health, meaning millions of new carcinogenic 5G antennas throughout neighborhoods so that people can watch porn faster. What an ignoble demise. Watch the video. http://stopsmartmeters.org/2016/07/18/tom-wheeler-dodges-tough-questions-at-fcc-hearing/?link_id=11&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

3. Smart Meter Injury Testimonials (in case there were any doubts...) If you ever think to yourself, “Oh maybe it’s not that bad – maybe people are exaggerating the health threat posed by smart meter radiation...” read this document (pdf) and print it out for your family. The document contains Stop Smart Meters! official testimony that we submitted as part of the Maine Supreme Court case. It includes dozens of firsthand testimonials from people who were injured primarily by strong microwave pulses from PG&E “Smart” Meters. We’ve also submitted similar testimony in proceedings in the United Kingdom and recently, in New Mexico. Links to peer-reviewed science that backs up thousands of testimonials can be found on our Science Page. Get rid of that thing today.

http://www.mainecoalitiontostopsmartmeters.org/wp-content/uploads/2013/01/Exhibit-11-Hart-Web.pdf?link_id=13&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

http://stopsmartmeters.org/the-science/?link_id=14&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

4. Toll-Free Hotline A Lifeline for Many If you have questions about stopping smart meters or other wireless technologies in your community, feel free to call our new toll free US hotline (888) 965-6435. This is a service especially vital for those who do not use e-mail or the internet. We are generally available Monday-Friday 9am-5pm PST. Please be patient if you leave a message as we are dealing with a high volume of calls, and we will get back to you as soon as possible. If you prefer e-mail, you can reach us at info@stopsmartmeters.org Thank you for donations & store purchases, helping fund these services.

5. New Gauss Meters, Kill-a-Watts Now Available in Our Shop

This weekend, through Tuesday, all EMF Meters in our Online Store are 10% off, so you can include one with your kid’s back-to-school supplies. We have some exciting new items in stock including the Alphalab UHS2 Gauss Meter. The UHS2 measures very high and very low levels of Low Frequency Magnetic Fields. Get it for \$259.95 through Tuesday.

We also carry Cornet’s latest pocket sized Electrosmog Meter, the ED88T, marked down to \$169 for the back-to-school sale, as well as the essential Gigahertz Solutions HF35C RF Meter, for only \$311. Plus the Kill-a-Watt Electricity Consumption Meter is only \$20.50, so you can see what energy vampires are lurking and document overcharges.

http://stopsmartmeters.org/store/?link_id=20&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

This is your chance to get safety equipment at a low price and support an organization doing critical outreach work!

We also have a couple of great books in stock: Overpowered by Martin Blank and Chemical and Electrical Hypersensitivity: A Sufferer's Memoir by Jerry Evans. These books are cheaper than Amazon, with no wireless drone baggage. Both books document the evidence of health impacts resulting from the wireless assault. Pick a few copies up and give them as gifts. Brochures, cards, stickers, & DVD's are also available in our store. All orders include free shipping from CA. Visit the Stop Smart Meters! Online Store today.

6. News Briefs

Study on the Effects of RF Radiation on Birds and other Wildlife

http://ehtrust.org/science/bees-butterflies-wildlife-research-electromagnetic-fields-environment/?link_id=24&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

The Sharing Economy and Wireless is Not Green

<http://science.time.com/2013/08/14/power-drain-the-digital-cloud-is-using-more-energy-than-you-think/>

Scientist shows that humans can detect magnetic fields too

http://news.nationalpost.com/news/world/its-part-of-our-evolutionary-history-american-scientist-thinks-hes-found-a-sixth-sense-in-humans?link_id=26&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

WiFi Birdhouse Meet Baseball Bat

http://money.cnn.com/2016/07/01/technology/tree-wi-fi-amsterdam/index.html?iid=ob_homepage_money_pool

Offline is the New Luxury – Excellent 45 min. Documentary

http://stopsmartmeters.org/2016/08/24/offline-is-the-new-luxury/?link_id=28&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

Follow us on Twitter: For the latest campaign updates and links to breaking news stories, follow us on Twitter! We are @stopsmeters Our latest tweets also appear on our website.

Global Smart Meter Resistance Database Looking for local allies in the fight against smart meters? More than 170 local groups and contacts are listed in our central database.

http://stopsmartmeters.org/frequently-asked-questions/contacts-database/?link_id=33&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

Expand Our Network: Send this link to your friends and family to subscribe to our monthly bulletin:

<https://actionnetwork.org/forms/subscribe-to-stop-smart-meters-monthly-bulletin>

Final Word: "Everyone has the right to behave responsibly" (but apparently not to their health -ed.)

- Tom Wheeler, Chairman, United States Federal Communications Commission explaining why FCC security revoked a journalist's press pass for quietly asking to see a shirt protesting the health effects of 5G radiation
Action Network

http://stopsmartmeters.org/2016/07/18/tom-wheeler-dodges-tough-questions-at-fcc-hearing/?link_id=37&can_id=c312146ce8ef3de7f89d873f6e2b44be&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin

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Breaker Box Distance

From: "Shannon @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, August 27, 2016 3:06 PM
Subject: [emfrefugee] breaker box distance

What is a safe distance for a breaker box with readings of: (Cornet) LF30 of 0.08-0.16?

Can it be shielded or grounded ?

Shannon

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Tuesday, August 30, 2016 11:05 AM
Subject: [emfrefugee] Re: breaker box distance

You measure the safe distance with your Cornet - on Magnetic setting until the reading is below .2 microtesla

Josh Email List: Good News: On The Way To The Tipping Point

From: Angela @gmail.com>
Sent: Saturday, August 27, 2016 8:10 PM
Subject: Fwd: Fw: Josh email list: Good news: on the way to the tipping point

Please see interesting email below (thanks Sarah)

Bottom includes an encounter with an AT&T cell tower tech.

Shocking that the telecom company does not shut off the antennas before letting workers work on them. The workers are definitely exposed to higher than FCC limits when people work a few feet in front of powered up antennas.

The cell tower worker also mentions that many tower workers have leukemia and cancer

From: Sarah
Date: Sat, Aug 27, 2016 at 5:35 PM
Subject: Fw: Josh email list: Good news: on the way to the tipping point:
From: Take Back Your Power < @takebackyourpower.net>
Sent: Thursday, 25 August 2016 5:11 AM

Subject: Good news: on the way to the tipping point

People everywhere, including those in media and wireless companies, are waking up to the reality and huge implications of wireless/EMF harm.

And the wake-up is happening faster than we probably think. Here are 4 cases in point:

#1: CNN just aired an episode on toxins that included EMF on prime time (Morgan Spurlock's Inside Man: The Truth About Toxins). More info / view it

#2: Legendary filmmaker Werner Herzog's new feature "Lo And Behold" (from Sundance 2016) about the Internet-of-Things was just released, which features a segment on electrosensitive people that was respectfully done. Watch trailer / see it in theatres

#3: The GFIM World 2016 Congress (Oct 7-9, 2016 in Santa Fe, NM) will feature a special EMF PANEL with Camilla Rees MBA, Dietrich Klinghardt PhD, Martin Pall PhD, and Yury Kronn PhD. (GFIM stands for Global Foundation for Integrative Medicines.) More info / trailer / registration

#4: This good-news article, "Cafe Thrives Without Wi-Fi" by Jeromy. I want to share this very telling reader comment with you:

Conversation with Cell Tower Technician

Comment by Travis:

(.....the head of the FCC recently said ‘We’re not going to let research slow us down.’) (Does this mean they’re panicking and about to give up? Sarah)

Figured I’d tell this story here about how things are shifting even within the industry...

I saw the AT&T trucks today – the guys were working on the cell towers. I’ve been wanting to talk to them for months, but I never get a chance to talk to them.

So I walk over there today and just then a guy comes down and says “Hey”.

So I said “Hey man, do you mind if I ask you some questions about the cell towers?”

He said “Sure thing, go ahead”, real friendly.

I then asked a bunch of technical questions about the design of the towers and stuff, just saying I was fascinated by the technology.

He answered them, and I learned a bunch of stuff. He mentioned that the round antennas are higher frequency microwaves.

Then he said that the US is soon going to 5G, Korea (I think) is already going to 5G and “They’re ahead of us”, but that “lots of countries are holding off on 5G because of environmental concerns and health concerns”.

I said “Really?”

He said, “Yeah, and **the head of the FCC recently said ‘We’re not going to let research slow us down.’**”

I said “Wow, he said that? That’s really bold.”

He said “Yeah I think so.”

So I said, “Are you interested in the health concerns from this stuff?”

“Yeah, I mean...yeah.”

Me: Me too

Him: Really? Lots of us in this line of work are getting leukemia and cancer.

Me: I’ve been interested in it for a while because I work here, so close to two towers.

Him: They used to turn off the transmitters when we worked on them. Now they refuse to turn off the transmitters while we work on them and they don’t let us carry around a RF meter anymore. They’ve got transmitters on top of buildings now. . .

Me: Yeah I’ve seen them!

Him: Yeah! You know the M***** H***** Hotel? I was just up there. And you just walk right up to them.

Me: Really? Man you’re right in front of those things!

Him: Yeah, and they’re not turning them off anymore. I’m just getting blasted.

Me: I’ve got a meter and I get readings at this school of 10-20 mW/cm² per channel. And a cell tower has like 70 channels right?

Him: You have a RF meter? (He couldn’t believe it).

Me: Yeah! I drive around town and see what the levels are like.

Him: No way, eBay? Amazon?

Me: Amazon.

Him: How much was it?

Me: Like... \$190. [Note: order via the TBYP website here & support our work – Josh]

Him: No way... Like I said, they forbid us from having them now.

Me: So I just looked up the federal limits on Saturday. It says the federal limit is 10 mW/cm^2 . On this playground I've gotten a reading of 15 mW/cm^2 on one channel... but the cell tower puts out 70 something channels, does that mean it's putting out roughly $15 \times 70 \text{ mW/cm}^2$?

Him: Most likely, yeah. Yeah all of us are worried about it. It's high enough levels to heat things up. My face burns whenever I use a cellphone.

Me: Everybody at the school is always hot, even when the air is cold.

(Note: radiant heat [long wave light] heats up a body without heating up air).

Him: Really? The industry people are actually worried that 5G is going to have a really big, even more noticeable thermal presence because the high frequencies have so much more power in them.

(His phone started ringing).

Me: Great talking to you!

Him: You too! See ya!

Onward,

Josh

PS. Hat tips to Jeromy, Peter and Travis!

Urgent: Can anyone pull congressional email addresses for me? – complete list

From: Angela <@gmail.com>

Sent: Sunday, August 28, 2016 10:17 AM

Subject: Urgent: Can anyone pull congressional email addresses for me?

Hi Everyone,

I just got a last minute request from Kevin Mottus. He is in DC for the entire month of September, lobbying against 5G and wireless.

He is starting to visit congress members of the house government reform and oversight committee tomorrow.

He is asking me to send my letter of opposition against 5G to these members TODAY, but I don't have their email addresses. Also, today I am swamped – one of my kids has a horrible stomach flu, and I am preparing for an accommodations meeting with my son's school tomorrow.

If anyone has the email addresses handy that he mentions below (or willing to look them up), please send them to me then I can help Kevin with his request.

Sorry for the last minute notice. I just got this myself.

Thanks
Angela

From: Kevin M
Date: Sun, Aug 28, 2016 at 8:54 AM
Subject: Angela can you please help me with this – it will make a big difference – Kevin

Angela – Please do me a favor and send your excellent letter to all the congress members of the house government reform and oversight committee. Please copy and paste the letter into the body of an email and do not attach.

These staffers do read their email. Send it to their chief of staff and person in charge of technology oversight separately. I do not have a list of the congressional members. Please look on the internet it is easy to find.

You will have to call their receptionist to ask what is the name of the staffer who oversees technology and FCC etc.. You can ask to talk to them and/or send them your letter.

Please do it as soon as possible as I plan to begin calling on Congressional members tomorrow. It is important for them to see that it is not just one guy with an issue. Please help me with this.

Call me today if you have any questions. I will not have email access till late tonight.

Kevin

From: Angela < @gmail.com>
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Sunday, August 28, 2016 11:28 AM
Subject: Re: Urgent: Can anyone pull congressional email addresses for me? - complete list

Thank you Gary!

On Sun, Aug 28, 2016 at 12:37 PM, Gary Vesperman <garyvesperman@yahoo.com> wrote:

Angela,

Go to padrak.com/vesperman and click on the link to "Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers – Book Two".

Pages 118-120 have a complete list of pertinent email addresses as also copied below:

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, July 9, 2016 10:46 PM
Subject: Re: [emfrefugee] Fwd: URGENT-REVISED=SEND OUT=STOP FCC 5G-Release Spectrum & Roll Out-List of Senate, FCC Members to Contact

URGENT-REVISED=SEND OUT=STOP FCC 5G-Release Spectrum & Roll Out-List of Senate, FCC Members to Contact

U.S. SENATE COMMITTEE ON COMMERCE, SCIENCE, & TRANSPORTATION

SENATOR JOHN THUNE, CHAIRMAN * SENATOR BILL NELSON, RANKING MEMBER

COMMITTEE MEMBERS

Majority Members

Chairman John Thune

Chief of Staff – ryan_nelson@thune.senate.gov

FCC Staff- Jessica_mcbride@thune.senate.gov

South Dakota

United States Senate SD-511, Washington, DC 20510, Phone: (202) 224-2321

Senator Roger Wicker

Chief of Staff – michelle_richardson@wicker.senate.gov

FCC Staff – crystal_tully@wicker.senate.gov

Mississippi

555 Dirksen Senate Office Building Washington, DC 20510 Main: (202) 224-6253

Senator Roy Blunt

Chief of Staff – glen_chambers@blunt.senate.gov

FCC Staff – (Legislative Assistant) sean_farrell@blunt.senate.gov

(Legislative Correspondent) kasey_shelly@blunt.senate.gov

Missouri

260 Russell Senate Office Building, Washington, DC 20510, Phone: (202) 224-5721

Senator Marco Rubio

Chief of Staff – alberto_martinez@rubio.senate.gov

FCC Staff – alex_burgos@rubio.senate.gov

Florida

284 Russell senate office building, Washington, DC 20510 Phone: 202-224-3041

Senator Kelly Ayotte

Chief of Staff – rick_murphy@ayotte.senate.gov

FCC Staff – erica_andeweg@ayotte.senate.gov

New Hampshire

144 Russell Senate Office Building, Washington, D.C. 20510 Phone: 202-224-3324

Senator Ted Cruz

Texas

404 Russell, Washington, DC 20510 Phone: (202) 224-5922

Senator Deb Fischer

Chief of Staff – joe_hack@fischer.senate.gov

FCC Staff – Jamie_susskind@fischer.senate.gov

Nebraska

454 Russell Senate Office Building, Washington, DC 20510 Phone: (202) 224-6551

Senator Jerry Moran

Kansas

Dirksen Senate Office Building, Room 521, Washington, D.C. 20510 Phone: (202) 224-6521

Senator Dan Sullivan

Chief of Staff – joe_balash@sullivan.senate.gov

FCC Staff – kate_o’connor@sullivan.senate.gov

Alaska

702 Hart Senate Office Building, Washington, DC 20510 Phone: (202)-224-3004

Senator Ron Johnson

Chief of Staff – tony_blando@johnson.senate.gov

FCC Staff – meris_petek@johnson.senate.gov

Wisconsin

328 Hart Senate Office Building Washington, DC 20510 Phone: (202) 224-5323

Senator Dean Heller

Chief of Staff – mac_abrams@heller.senate.gov

FCC Staff – scarlet_doyle@heller.senate.gov

Nevada

324 Hart Senate Office Building, Washington, DC 20510 Phone: 202-224-6244

Senator Cory Gardner

Chief of Staff –

FCC Staff -

Colorado

354 Russell Senate Office Building, Washington, D.C. 20510 Phone: (202) 224-5941

Senator Steve Daines

Chief of Staff – Jason_thielman@daines.senate.gov

FCC Staff – lauren_mccarty@daines.senate.gov

Montana

320 Hart Senate Office Building, Washington, D.C. 20510 p: (202) 224-2651

Minority Members

Ranking Member Bill Nelson

Chief of Staff – suzy_perezquinn@nelson.senate.gov

FCC Staff – naveed_jazayeri@nelson.senate.gov

Florida

716 Senate Hart Office Building, Washington, DC 20510 Phone: 202-224-5274

Senator Maria Cantwell

Chief of Staff – travis_lumpkin@cantwell.senate.gov

FCC Staff – narda_jones@cantwell.senate.gov

Washington

511 Hart Senate Office Building, Washington, DC 20510 Phone: (202) 224-3441

Senator Claire McCaskill

Chief of Staff – Julie_dwyer@mccaskill.senate.gov

FCC Staff – mark_dennin@mccaskill.senate.gov

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September 17, 2016

Nick_choate@mccaskill.senate.gov

Missouri

730 Hart Senate Office Building, Washington, D.C. 20510 Phone: (202) 224-6154

Senator Amy Klobuchar

Chief of Staff – “Lizzy” Elizabeth_peluso@klobuchar.senate.gov

FCC Staff: tommy_walker@klobuchar.senate.gov

Minnesota

302 Hart Senate Office Building, Washington, DC 20510 phone: 202-224-3244

Senator Richard Blumenthal

Chief of Staff – laurie_rubiner@blumenthal.senate.gov

FCC Staff – Anna_yu@blumenthal.senate.gov

Joel_kelsey@blumenthal.senate.gov

Connecticut

706 Hart Senate Office Bldg., Washington, DC, 20510 tel (202) 224-2823

Senator Brian Schatz

Chief of Staff – “Andy” andrew_winer@schatz.senate.gov

FCC Staff – melika_carroll@schatz.senate.gov

Hawaii

722 HART SENATE OFFICE BUILDING , WASHINGTON, DC 20510 PHONE: (202) 224-3934

Senator Ed Markey

Chief of Staff: None at this time

FCC Staff: joseph_wender@markey.senate.gov

Massachusetts

255 Dirksen Senate Office Building , Washington, D.C. 20510 Phone: 202-224-2742

Senator Cory Booker

Chief of Staff:

FCC Staff:

New Jersey

Hart 141, Washington, DC 20510 Phone: 202-224-3224

Senator Tom Udall

Chief of Staff:

FCC Staff:

New Mexico

531 Hart Senate Office Building Washington DC, 20510 (202) 224-6621

Senator Joe Manchin

Chief of Staff: “C” pat_hayes@manchin.senate.gov

FCC Staff: alex_damato@manchin.senate.gov

West Virginia

306 Hart Senate Office Building, Washington DC, 20510 Phone: 202-224-3954

Senator Gary Peters

Chief of Staff: eric_feldman@peters.senate.gov

FCC Staff: sydney_paul@peters.senate.gov

Michigan

Hart Senate Office Building Suite 724, Washington, DC 20510 (202) 224

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 100

September 17, 2016

Gary Vesperman

From: Angela @gmail.com>
Sent: Thursday, September 15, 2016 8:48 AM
Subject: Support Dr. Johansson. Submit Comments to stop 5G Now!

Hi Everyone,

Dr. Olle Johansson, one of the authors of the paper regarding demyelination from home Wi-Fi with public hotspot that I sent out yesterday, is in need of support. The Karolinska Institute is still trying to force him into retirement after the NTP rat study came out. He was one of the first handfuls of scientists to warn us about the dangers of RF radiation. Even though we are still very far from real change, we would not be where we are without Dr. Johansson's contributions. Please see email below on addresses to write to support Dr. Johansson.

Also, please see instructions below on how to submit comments regarding 5G.

From: Webmaster <webmaster@electricalpollution.com>
Date: Fri, Sep 9, 2016 at 1:27 PM
Subject: Take action: Support Dr. Johansson; Please Submit Comments to stop 5G Now!
To: Webmaster <webmaster@electricalpollution.com>

Please take action on the following two items. One, support Dr. Olle Johansson. The Karolinska Institute, which seems to be bowing to industry forces, is trying to drive him into retirement. Write a letter of support to the addresses below. (Here is a link to a recent article Johansson O, "Are we really coping with the increasing amounts of airborne radiation?", LivingNow, July 2016, pp. 25-27 <http://www.livingnow.com.au/articles/issues/are-we-really-coping-increasing-amounts-airborne-radiation>)

Two, submit comments into the 5 dockets related to 5G. Directions are below.

Best, Catherine

Protecting my health and that of others by using a hardwired computer in a low RF environment. For more information, see www.electricalpollution.com

Write these people asking them to support Dr. Johansson and the continuation of his important work: The Acting Vice Chancellor, Professor Karin Dahlman-Wright at [karin.dahlman-wright@ki.se] and [rektorssekreterare@ki.se], and with copies to the persons below.

Officers of Karolinska Institute:
Henrik Grönberg, M.D., Ph.D.
Acting Pro-Vice Chancellor
E-mail: Henrik.Gronberg@ki.se

Per Bengtsson
University Director
E-mail: per.bengtsson@ki.se

Marie Tell, BSC

Deputy University Director
E-mail: Marie.b.Tell@ki.se
Submit comments in opposition to 5G using the directions below:

From: Angela @gmail.com>
Date: August 30, 2016 8:05:09 AM CDT
To: undisclosed-recipients;;
Bcc: emfcontacts@googlegroups.com

Subject: Please Submit Comments to stop 5G Now!/Mottus and Moskowitz

Hi Everyone,

Kevin Mottus of the California Brain Tumor Association is in DC for the entire month of September lobbying Congress against 5G and wireless.

He's a passionate fighter against wireless and has spent a lot of personal funds on this issue.

Please submit comments as instructed below – need quantity (lots of comments, even short ones).

Media, decision makers, and other organizations look at these too.

Also attached below is a filing that Dr. Joel Moskowitz (UC Berkeley) has submitted on this.

Please submit your comments as soon as you can this week (deadline is September 30), BUT Kevin has started visiting Congress already.

Thank You,
Angela

From Kevin Mottus:

Submit your comments regarding additional frequencies within the 5G spectrum that the FCC is going to vote on within 24-70 GHz as well as even higher spectrums 71-76 GHz, 81-86 GHz and 95 GHz. Please follow the instructions below, it will allow you to comment on 5 different dockets at once. You may want to comment specifically on the ways they want to use this 5G technology such as: "machine-to-machine communications, healthcare devices, autonomous driving cars, and home and office automation." See link for more information: http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0728/FCC-16-89_A1.pdf

Media, decision makers and other organizations definitely look at these comments. Please submit many many individual, small comments with attachments because it seems that it's more about the number of comments than the nature of the comments."

The deadline is September 30th but please begin submitting now!

It will help to have these comments on the record to refer to as I visit with individual congress members in person now and demand they stop the roll out of 5G!!

Follow These Instructions to Make Comments:

1. Click on this link: <http://fjallfoss.fcc.gov/ecf/s2/>.
2. Click on "Submit a Filing" Tab at the top of the page.
3. Click on "Express a Comment" (on top of the page) to just make a comment or "Standard Filing" to attach documents (one of which can be your comment).
4. You can make one comment for all five docket numbers at once. Simply type in or Copy and Paste each of these Docket numbers one at a time into the "Proceedings" Field and make sure they are accurately displayed in the window: 14-177, 15-256, RM-11664, 10-112, 97-95
5. Fill out all required fields and click "Enter" or "Return" before you go to the next field.
6. Once all fields are filled out - click continue screen.
7. Review and submit.
8. Make sure you write down your confirmation # so that you can check on your submission.

Thank you for your help and support. If you have any questions email rolamasri@sbcglobal.net.

Kevin Mottus

California Brain Tumor Association

From: Joel MOSKOWITZ <jmm@berkeley.edu>
Date: Mon, Aug 29, 2016 at 3:17 PM
Subject: FCC needs input regarding allocation of spectrum for 5G
To: CHE-EMF

The FCC needs your input regarding allocation of spectrum for 5G.

Submit your comments regarding allocation of additional frequencies within the 5G spectrum that the FCC is going to vote on including 24-70 GHz as well as higher spectrum: 71-76 GHz, 81-86 GHz and 95 GHz.

See Electromagnetic Radiation Safety for simple instructions on how to comment on five different dockets at once. You may want to comment specifically on the ways they want to use 5G technology such as: "machine-to-machine communications, healthcare devices, autonomous driving cars, and home and office automation."

<http://bit.ly/FCC5Ginput>

For more information see: <http://bit.ly/FCC16-89A1>

I submitted the following express comment today:

In light of your upcoming votes on allocation of additional spectrum for 5G, I want to draw your attention to the International EMF Scientist Appeal (<https://EMFscientist.org>) which calls for stronger regulatory standards on radio frequency (RF) emissions.

The Appeal has been signed by 221 scientists from 41 nations. All of these scientists have published peer-reviewed research on electromagnetic fields and biology or health.

The FCC's RF guidelines were adopted 20 years ago. Many scientists and health professionals believe these guidelines do not protect the population from non-thermal health risks due to RF radiation exposure. To ensure public health and safety, the FCC should commission an independent review of the biologic and health research to determine stringent RF standards before allowing additional spectrum to be used for new commercial applications.

I also wish to remind you that the FCC has yet to act on NOI #13-84, "Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies," issued in 2013 and a similar NOI issued a decade earlier. The 2013 NOI has received more than 900 submissions – almost all call for stronger regulation of RF radiation. Links to key submissions can be found on the Electromagnetic Radiation Safety website at <http://www.saferemr.com/2014/08/part-i-why-we-need-stronger-cell-phone.html>.

Finally, the General Accountability Office issued a report entitled, "Exposure and Testing Requirements for Mobile Phones Should Be Reassessed" (GAO-12-771: Published: Jul 24, 2012. <http://www.gao.gov/products/GAO-12-771>). The report made the following recommendations which have yet to be addressed by the FCC:

"FCC should formally reassess and, if appropriate, change its current RF energy exposure limit and mobile phone testing requirements related to likely usage configurations, particularly when phones are held against the body. FCC noted that a draft document currently under consideration by FCC has the potential to address GAO's recommendations."

Joel M. Moskowitz, Ph.D., Director
Center for Family and Community Health
School of Public Health
University of California, Berkeley

Electromagnetic Radiation Safety
Website: <http://www.saferemr.com>
Facebook: <http://www.facebook.com/SaferEMR>
Twitter: @berkeleyprc

Unplugged Direct TV Dish

From: "Jenny @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Sunday, August 28, 2016 7:24 PM
Subject: Re: [emfrefugee] unplugged direct tv dish

I noticed in my year of searching for an EMF-safe place to live that even unplugged satellite dishes gave me intense head pains. This problem reached a crisis (after I found an apartment I could tolerate) when my duplex neighbors decided to install a satellite dish and forged a letter from our landlord telling the Dish TV people that it should be placed on my part of the house. I would have had to move out immediately if they had been

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 104 September 17, 2016

successful. But luckily the landlord seemed very annoyed and told them he didn't want any satellite dishes on the roof period.

Since I still was having reactions to the unplugged dish, I had to insist that it be removed, which wasn't too hard. But the company refused to remove the wires to the dish that also were giving me bad head pains even though they weren't connected to anything.

After I got an email from a sympathetic electrician explaining that the wires could cause a reaction due to something called capacitive coupling, the landlord agreed to send handyman over to remove them.

Unfortunately handyman did not remove the right wires and landlord would not let me hire an electrician to do it. My life was saved because I happened to be home when the cable repair guy came over to re-connect the duplex neighbors' cable system. I think the handyman had cut their wires. In any case, I begged him to remove any extraneous wires that belonged to the Dish TV system, which he obligingly did. My landlord didn't object since I think his concern was that if I hired an electrician he or she would cut the wrong wires, but the handyman had already done that. All my head pains went away as soon as the satellite dish wires were removed....

On Sun, 8/28/16, @yahoo.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

Subject: [emfrefugee] unplugged direct tv dish

To: emfrefugee@yahoogroups.com

Date: Sunday, August 28, 2016, 2:46 PM

I disconnected satellite dish tv
both the aerial connector
and the normal outlet
does this dish still emit rf if
those two things are unplugged ?

im feeling weird
in the house
wondering if its
this or the the metal shed nearby

From: "@gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Tuesday, August 30, 2016 5:22 AM

Subject: [emfrefugee] Re: unplugged direct tv dish

It's likely that you only need to remove the LNB – the device that looks like a microphone, placed at the focal point of the dish and not the dish itself.

Yes any wire of the right length, particularly in a vertical orientation is likely to pick up resonance with signals for radio transmitters and perhaps distortions on the mains supply.

From: "@sbcglobal.net [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Thursday, September 8, 2016 12:22 PM

Subject: [emfrefugee] Advice for ordering new comcast tv box?

I've tried to avoid it, but my old one is starting to have trouble. They've been trying to get me to replace mine for the past year. I've read that there is wireless in the new boxes that can only be turned off by them and it sometimes comes back on.

Just wondering what other's experiences have been and what I can do to minimize the effects.

Thank you, Diana

List of Papers, Articles on 5G

From: Angela < @gmail.com>

To:

Sent: Tuesday, August 30, 2016 6:13 AM

Subject: List of papers, articles on 5G

Hi - Peter generated this list, forwarded by Sarah.

Includes articles, papers, letters, etc.

<http://www.lightreading.com/mobile/5g/could-the-5g-future-pose-a-health-risk-/d/d-id/723324>

<http://www.fiercewireless.com/tech/story/massey-university-researchers-delve-potential-health-impacts-5g/2016-05-16>

<http://www.ncbi.nlm.nih.gov/pubmed/18064600>

<http://www.millitech.com/>

http://rffox.ee.ucla.edu/hsel/papers/mmWave_Selfhealing_PA_MTT12.pdf

http://cms.comsoc.org/SiteGen/Uploads/Public/Docs_TC_5GMWI/Millimeter-Wave_Beamforming.pdf

<https://arxiv.org/vc/arxiv/papers/1503/1503.05944v1.pdf>

<http://www.odwyerpr.com/story/public/7235/2016-07-13/clintons-support-5g-rapped-by-wi-fi-health-advocates.html>

<http://eon3emfblog.net/>

<https://thetruthaboutcancer.com/airport-full-body-scanner/?gl=582829380&mpweb=144-1507470-410576147>

<https://takebackyourpower.net/gestapo-in-usa-5g-fcc-intimidates-press-kills-free-speech/>

<http://www.mainecoalitiontostopsmartmeters.org/?p=1526>

http://emfhealth.info/docs/eng/MMF_16_06_05_WorkshopGhent_5_Ziskin_SkinModels%20.pdf

<http://ehtrust.org/letter-fcc-dr-yael-stein-md-opposition-5g-spectrum-frontiers/>

<http://www.odwyerpr.com/story/public/7244/2016-07-14/wi-fi-health-advocate-asks-fcc-test-5g-before-rollout.html>

<http://spectrum.ieee.org/telecom/wireless/millimeter-waves-may-be-the-future-of-5g-phones>

<http://spectrum.ieee.org/telecom/wireless/smart-antennas-could-open-up-new-spectrum-for-5g>

http://www.fysik.su.se/~ljvi4037/ProjectReferences/Review_CurrentStateAndImplicationsOfResearchOnBiologicalEffectsOfMillimeterWaves.pdf

http://www.researchgate.net/publication/3165348_A_study_on_biological_effects_of_low-intensity_millimeter_waves

http://www.researchgate.net/publication/232280934_Escherichia_coli_Growth_Changes_by_the_Mediated_Effects_After_Low-Intensity_Electromagnetic_Irradiation_of_Extremely_High_Frequencies

<http://www.pnas.org/content/106/11/4219.full.pdf>

<http://www.ursi.org/proceedings/procGA08/papers/KP2p10.pdf>

<http://stopaustinscanners.org/health/>

<http://www.npr.org/assets/news/2010/05/17/concern.pdf>

http://www.icems.eu/docs/venice/6th_Workshop_Verduccio.pdf

<http://www.sfrp.asso.fr/IMG/pdf/07-GPGallerano.pdf>

http://www.acma.gov.au/webwr/radcomm/frequency_planning/radiofrequency_planning_topics/docs/sp3_04_60%20ghz%20mwt%20-%20discussion%20paper-final.pdf
<http://www.fysik.su.se/~ljvi4037/ProjectReferences/millimeterWaveTherapy.pdf>
<http://www.ncbi.nlm.nih.gov/pubmed/21344460>
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=4122198>
http://www.avaate.org/IMG/pdf/IEEE_MTT_paper.pdf
<http://www.dtic.mil/dtic/tr/fulltext/u2/a144297.pdf>
<http://spie.org/x41033.xml>
<http://www.cnet.com/au/news/smile-youre-on-millimeter-wave-camera/>
<http://www.ncbi.nlm.nih.gov/pubmed/8891190>
<http://www.ncbi.nlm.nih.gov/pubmed/19089649>
<http://www.ncbi.nlm.nih.gov/pubmed/19768389>
<http://www.comsoc.org/files/Publications/Magazines/ci/cfp/cfpcommag0914a.html>
<http://link.springer.com/article/10.1007%2Fs10762-011-9794-5>
<http://www.ncbi.nlm.nih.gov/pubmed/12815862>
<http://link.springer.com/article/10.1007%2Fs11060-011-0644-z>
<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=1167644&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel5%2F27%2F26334%2F01167644.pdf%3Farnumber%3D1167644>
<http://www.cemmedic.hu/uploads/dokument/2-akademia%20kutatások/Moszkva%20-%20seb%20kezelese%20kiserleti%20allatokon/Millimeter-wave%20Scientific.pdf>
<http://www.abc.net.au/news/2011-08-01/body-scanners-on-trial-at-sydney-airport/2818730>
<http://scrapthescanners.wordpress.com/>
<http://bodyscannertruth.com/>
<http://www.technologyreview.com/view/416066/how-terahertz-waves-tear-apart-dna/>
<http://aftermathnews.wordpress.com/2009/10/31/airport-strip-search-machines-tear-apart-dna/>
<http://www.ncbi.nlm.nih.gov/pubmed/19822160>
<http://www.technologyreview.com/blog/arxiv/24331/>
<http://macedoniaonline.eu/content/view/17090/56/>
<http://arxiv.org/pdf/0910.5294v1.pdf>
<http://epic.org/>
<http://www.tsascanthis.com/>
<http://naturalsociety.com/report-100-cancer-deaths-tsa-naked-body-scanner-year/>
<http://naturalsociety.com/why-i-opt-out-of-tsas-naked-body-scanners/>
<http://www.thesleuthjournal.com/airport-scanners-in-2014-currents-of-fear-and-the-end-of-privacy/>
http://www.austlii.edu.au/au/legis/cth/consol_act/atsa2004348/s9.html
<http://www.infrastructure.gov.au/transport/security/contact.aspx>
<http://www.cla.asn.au/0805/index.php/articles/articles/airport-scanning-body-radiated-freedom>
http://preventdisease.com/news/12/081412_TSAs-Millimeter-Wave-Scanners-Radiate-Cells-With-Untested-Technology.shtml
<http://www.fastcompany.com/1734677/controversial-tsa-airport-body-scan-tech-reborn-possible-skin-cancer-detector>
<http://www.tuberoase.com/FullBodyScannersIncreaseCancerRisk.html>
<http://www.aolnews.com/2010/12/20/aol-investigation-no-proof-tsa-scanners-are-safe/>
<http://www.jpier.org/PIER/pier135/06.12111104.pdf>
http://www.hpa.org.uk/webc/HPAwebFile/HPAweb_C/1194947420620
http://www.afsset.fr/upload/bibliotheque/322043052444114354202364381875/10_02_22_Report_Afsset_Scanners_corporels_Body_scanners_english_V6x.pdf
http://hal.archives-ouvertes.fr/docs/00/45/03/09/PDF/Manuscrit_these_final_du_090110.pdf
<http://www.agence-nationale-recherche.fr/Colloques/SEST2012/documents/27-Ledrean.pdf>
http://www.nature.com/srep/2013/130131/srep01184/full/srep01184.html?WT.ec_id=SREP-631-20130201
<http://www.dtic.mil/dtic/tr/fulltext/u2/a533666.pdf>

[http://www.ursi.org/Proceedings/ProcGA05/pdf/KP.45\(0850\).pdf](http://www.ursi.org/Proceedings/ProcGA05/pdf/KP.45(0850).pdf)
http://thz.caltech.edu/siegelpapers/IET_Dec2010.pdf
<http://www.icomw.org/documents/usmarine3.pdf>
http://link.springer.com/chapter/10.1007%2F978-1-4615-4867-6_233
http://www.who.int/peh-emf/meetings/03Murphy-Bioeffects_research_for_emerging_rf_techologie.pdf
http://ieee-emf.com/IEEEstudysearch.cfm?FrequencyRangeID=4&FrequencySubRangeID=&IEEE_SubTypeID=&AccessionNo=&LastName=&RefKeyWord=&DateStart=&DateEnd=&Country=&StudyTypeID=6&&StudySubTypeID=21
<http://www.ece.rice.edu/~daniel/papers/japplttox.pdf>
http://www.aph.gov.au/Parliamentary_Business/Bills_Legislation/Bills_Search_Results/Result?bId=r4745
http://www.oaic.gov.au/publications/submissions/2012_03_body_scanning_legislation.html
<http://www.privacy.org.au/Papers/indexPolicies.html#BS>
<http://epic.org/privacy/airtravel/backscatter/>
<http://www.dailymail.co.uk/news/article-2009215/Can-TSAs-scans-cancer-Is-government-covering-disease-clusters.html>

Could the 5G Future Pose a Health Risk?

Dan Jones
News Analysis
Dan Jones, Mobile Editor
5/12/2016

Super-fast 5G wireless is still years away from widespread commercial service, but researchers are already wondering if the new networks – which will feature many more radios than previous cellular architectures deployed very densely in towns and cities – could pose a health risk to the general public.

Massey University in New Zealand has announced this week that it got funding to investigate if there will be any adverse effects of electromagnetic radiation to human health caused by the next generation of telecommunication networks called 5G. The research will take place through 2017.

5G – Fifth Generation – wireless is expected to be tens or even hundreds of times faster than 4G, downloading a movie over the network in mere seconds. To achieve that speed – and provide exciting new applications on future networks – 5G will use higher frequencies and be deployed more densely than previous cellular networks, which have largely been determined to be safe for us puny humans, ever have before. (See 5G: What Is It & Why Does It Matter? and 5G: As Close as You'll Get to a Jet Pack!)

"With some industry giants predicting 50 billion connected devices by 2020 and with the employment of much higher transmission frequencies proposed for the 5G rollout, it is essential to determine how the future of telecommunications will affect the health of its users," principal investigator Dr. Faraz Hasan says in the announcement.

Hasan is talking about centimeter and millimeter waves, which have previously only been used in very limited short-range fixed wireless and mobile backhaul applications. It is anticipated with the coming of 5G, frequencies like 15GHz, 28GHz, 39GHz and 60GHz could be put into widespread usage, and these short-range, high-speed signals would require thousands (maybe millions) more radios and antennas to be dotted round the cityscape. 4G networks today are typically built around low- and medium-band radio spectrum (600MHz to 2.5GHz in the US) and a backbone of cell towers with some distributed antennas and smaller radios to extend coverage. (See Sprint: We're Building a 5G-Ready Network, Not a 4G Relic.)

Operators, researchers and vendors are now turning that model of deployment on its head with plans that will mix some large towers with many, many more small radios using higher frequencies than ever before. So, naturally, health concerns about incredibly dense radio network networks in urban environments are starting to bubble to the surface. (See Sprint's Saw: '5G' Opp Is Moving Signal Closer to Customers.)

There's a further wrinkle to the 5G radios that it is not even clear from the announcement whether this research will grapple with or not. The FCC, for instance, keeps very tight limits on the antenna power limits allowed for different fixed and mobile applications.

Carriers in the US, however, are starting to ask the agency if they can increase the amount of Effective Isotropic Radiated Power (EIRP) – that's peak antenna gain – used for millimetre wave applications.

Verizon Communications Inc. (NYSE: VZ) said this in a filing to the FCC in January this year:

'Conventional' base station antenna gains for other mobile uses typically have gains in the 9–25dBi range because they are limited by practical antenna size. In mmW bands, however, gains from 20–45 dBi can be achieved depending upon beamwidths desired. A base station power limit of between 68 and 75 dBm EIRP is thus more appropriate for these higher frequency bands than the 62 dBm EIRP maximum proposed based on the properties of other spectrum.

So there you go, gentle reader; we don't think you'll be accidentally sterilized by the super-high power radio waves of the 5G future, but we don't yet fully know what effect incredibly dense mmWave radio networks pumping out really hot signals might have!

Maybe don't throw out that tin foil hat just yet.

— Dan Jones, Mobile Editor, Light Reading

FCC ECFS Filing Confirmation

From: Gary Vesperman <garyvesperman@yahoo.com>
To: Ken; Patrick
Sent: Monday, August 29, 2016 10:19 PM
Subject: Fw: FCC ECFS Filing Confirmation

Ken and Patrick,

I submitted 8 filings including this one to the FCC.

Two filings were submitted as comments like this one. The other comment was a copy of Joel Moskowitz's comment in his web page.

The other six filings were submitted with one to five attached files. I had to download files from padrak.com/vesperman and save them as pdf or Word documents. Then I was able to attach them to filings. I also attached a few files that are not in my websites.

Their webpage states that there is a 48 meg limit on the files. However, it wouldn't allow loading of my largest file which is my 7.4 meg EMF hazards Book Two.

If you guys want to submit any filings, let me know and I will send the step-by-step directions provided in Electromagnetic Radiation Safety: FCC needs input regarding allocation of spectrum for 5G. Basically you Hazards of Cell Phones, Wireless Devices, Etc – Book Three 109 September 17, 2016

click on ECFS.

Then click on "Submit a Filing" at the top of their page. If attaching files, click on "Standard Filing". If simply writing a comment like I did here click on "Express Comment". Then copy and paste the five docket numbers, one at a time, listed in Joel Moskowitz's page. You also enter your name, address, and email. You should select that you would like an emailed confirmation like this email.

Gary

From: "no-reply@fcc.gov" <no-reply@fcc.gov>

To: garyvesperman@yahoo.com

Sent: Monday, August 29, 2016 4:45 PM

Subject: FCC ECFS Filing Confirmation

Thank you for your submission to the FCC Electronic Comment Filing System (ECFS).

Please Note that your filing will not be available for searching until it has been reviewed and posted by the FCC.

Confirmation Number: 2016082976567098

Proceeding(s): 14-177 : Spectrum Bands above 24 GHz
, 13-49 : Revision of Part 15 of the Commission's Rules
, RM-11664 : Service Rules for the Fixed Service in the 41.0-42.5 GHz Band
, 10-112 : In the Matter of amendment of part 1,22, 24, 27, 74, 80, 90, 95, and 101 to establish uniform license renewal, discontinuance of operation and geographic partitioning and spectrum disaggregation rules and policies for certain Wireless Radio Services.
, 97-95 : ALLOCATION AND DESIGNATION OF SPECTRUM FOR FIXED SATELLITE SERVICES IN THE FREQUENCY BANDS; ALLOCATION OF SPECTRUM TO UPDATE FIXED AND MOBILE ALLOCATIONS

Filer(s): Gary C. Vesperman

Brief Comments: My website padrak.com/vesperman links to two books I have written that total approximately 400 pages. Their titles are "Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers Book One" and "Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers Book Two". In a separate filing I attached the pdf file for "... Book One". However the 7.4 megabytes pdf file for "... Book Two" failed to load when I tried to attach it. Please download and include the file "... Book Two" in the five Proceedings named for this filing.

My website padrak.com/vesperman also links to over a dozen additional authoritative reports on various aspects of the ElectroMagnetic Field (EMF) radiation hazards of cell phones, cell towers, smart meters, Wi-Fi and other wireless devices such as wireless computers, printers, keyboards, mice, routers, and laptops.

I have seen two cell towers around the large water tank at the top of the hill in Boulder City, Nevada. It seems likely that residents living in the immediate vicinity of these cell towers either are already or will soon be suffering from above average numbers of cancer, genetic deformities, and one or more of 80 immune system disorders.

Page 12 of EMF hazards "... Book Two" shows three photos of calves in Germany that have been deformed by cell phone radiation.

I have no doubt whatsoever that my two EMF hazards books, which average 200 pages, and the approximately dozen additional authoritative EMF reports linked at padrak.com/vesperman sufficiently show that cell phones, cell phone towers, Wi-Fi networks, and smart meters are too dangerously unhealthy to be allowed to injure nearby residents and students in schools. In fact cell towers are even not allowed to be constructed and operated either on top of or near fire stations.

While editing, etc EMF hazards "... Book One" I came to fully realize the significance of another little problem with cell towers, Wi-Fi, smart meters, etc. To be sure to call attention, I inserted right at the beginning of the list of "Items of Outstanding Interest" this summary:

"All cement structures that have re-bar are subject to various electrical assaults from various sources such as high powered transmission lines and cell phone transmitters and consequently will suffer from accelerated corrosion. Simple theory is: Radio frequency radiation or magnetic fields will penetrate cement to some small degree and thus induce currents to flow and then the currents cause corrosion. Thus concrete structures within range of cell towers will crumble and fail much more quickly.

Canada's Hydro British Columbia power company is replacing 10,000 failing concrete poles with wooden poles. A Quebec organic pig farmer's barn structure is being adversely affected. Calgary's Bow River railroad bridge has corroded more quickly. Lille, France, has had a disastrous water tower structural failure. An overpass in Quebec has fallen down. High-frequency electromagnetic fields also affect the surfaces of Canada's Parliament."

There is a disturbing article in EMF hazards "... Book One" with this title "A Complete Annihilation of North America" that explores the ramifications of complete saturation of North America with RF.

It is very clear that to safeguard the health and genetic integrity of ALL Americans cell towers, Wi-Fi networks and smart meters everywhere in the United States should be ALL IMMEDIATELY DISMANTLED WITHOUT FURTHER DELAY. In 2012 Taiwan's Legislature mandated that Taiwan's 1500 cell towers be removed.

On July 14, 2016 the Federal Communications Commission (FCC) voted to move forward with 5G – a wireless technology that is even more dangerously unhealthy than existing wireless technologies. That was a huge mistake and apparently reflects corruption of the FCC by financially strong but morally weak wireless companies.

Address: 588 Lake Huron Lane, Boulder City, NV 89005

From: Andrew Michrowski <paceincnet@gmail.com>

To: Gary Vesperman <garyvesperman@yahoo.com>

Cc: Ken; Pat

Sent: Tuesday, August 30, 2016 6:41 AM

Subject: Re: Fw: FCC ECFS Filing Confirmation

Very much appreciated are your filings.

Andrew Michrowski

From: "K" <@aol.com>

To: garyvesperman@yahoo.com

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 111

September 17, 2016

Sent: Tuesday, August 30, 2016 4:49 AM
Subject: Re: Fw: FCC ECFS Filing Confirmation

Hello Gary,

Thank you for keeping me updated, and All your amazing work !!!!!!!

Kathleen

From: Angela @gmail.com
Sent: Tuesday, August 30, 2016 6:05 AM
Subject: Please Submit Comments to stop 5G Now!/Mottus and Moskowitz

Hi Everyone,

Kevin Mottus of the California Brain Tumor Association is in DC for the entire month of September lobbying Congress against 5G and wireless.

He's a passionate fighter against wireless and has spent a lot of personal funds on this issue. Please submit comments as instructed below – need quantity (lots of comments, even short ones). Media, decision makers, and other organizations look at these too. Also attached below is a filing that Dr. Joel Moskowitz (UC Berkeley) has submitted on this.

Please submit your comments **as soon as you can this week** (deadline is September 30), BUT Kevin has started visiting Congress already.

Thank You,
Angela

From Kevin Mottus:

Submit your **comments** regarding **additional frequencies** within the **5G spectrum** that the FCC is going to vote on within 24-70 GHz as well as even higher spectrums **71-76 GHz, 81-86 GHz and 95 GHz**. Please follow the instructions below, it will allow you to comment on 5 different dockets at once. You may want to comment specifically on the ways they want to use this 5G technology such as: "machine-to-machine communications, healthcare devices, autonomous driving cars, and home and office automation." See link for more information: http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0728/FCC-16-89A1.pdf

Media, decision makers and other organizations definitely look at these comments. Please submit **many many individual, small comments with attachments** because it seems that it's more about the number of comments than the nature of the comments."

The deadline is September 30th but please begin submitting now!

It will help to have these comments on the record to refer to as I visit with individual Congress members in person now and demand they stop the roll out of 5G!!

Follow These Instructions to Make Comments:

1. Click on this link: <http://fjallfoss.fcc.gov/ecf/s2/>
2. Click on "Submit a Filing" Tab at the top of the page.
3. Click on "Express a Comment" (on top of the page) to just make a comment **or** "Standard Filing" to attach documents (one of which can be your comment).
4. You can make one comment for all five docket numbers at once. Simply type in or Copy and Paste each of these Docket numbers **one at a time** into the "Proceedings" Field and make sure they are accurately displayed in the window: **14-177, 15-256, RM-11664, 10-112, 97-95**
5. Fill out all required fields and **click "Enter" or "Return"** before you go to the next field.
6. Once all fields are filled out - click continue screen.
7. Review and submit.
8. Make sure you write down your confirmation # so that you can check on your submission.

Thank you for your help and support. If you have any questions email rolamasri@sbcglobal.net.

Kevin Mottus
California Brain Tumor Association

From Dr. Moskowitz

From: **Joel MOSKOWITZ** <@berkeley.edu>
Date: Mon, Aug 29, 2016 at 3:17 PM
Subject: FCC needs input regarding allocation of spectrum for 5G
To: CHE-EMF

The FCC needs your input regarding allocation of spectrum for 5G.

Submit your comments regarding allocation of additional frequencies within the 5G spectrum that the FCC is going to vote on including 24-70 GHz as well as higher spectrum: 71-76 GHz, 81-86 GHz and 95 GHz.

See **Electromagnetic Radiation Safety** for simple instructions on how to comment on five different dockets at once. You may want to comment specifically on the ways they want to use 5G technology such as: "machine-to-machine communications, healthcare devices, autonomous driving cars, and home and office automation."

<http://bit.ly/FCC5Ginput>

For more information see: **<http://bit.ly/FCC16-89A1>**

I submitted the following express comment today:

In light of your upcoming votes on allocation of additional spectrum for 5G, I want to draw your attention to the International EMF Scientist Appeal (<https://EMFscientist.org>) which calls for stronger regulatory standards on radio frequency (RF) emissions.

The Appeal has been signed by 221 scientists from 41 nations. All of these scientists have published peer-reviewed research on electromagnetic fields and biology or health.

The FCC's RF guidelines were adopted 20 years ago. Many scientists and health professionals believe these guidelines do not protect the population from non-thermal health risks due to RF radiation exposure. To ensure
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public health and safety, the FCC should commission an independent review of the biologic and health research to determine stringent RF standards before allowing additional spectrum to be used for new commercial applications.

I also wish to remind you that the FCC has yet to act on NOI #13-84, "Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies," issued in 2013 and a similar NOI issued a decade earlier. The 2013 NOI has received more than 900 submissions--almost all call for stronger regulation of RF radiation. Links to key submissions can be found on the Electromagnetic Radiation Safety website at <http://www.saferemr.com/2014/08/part-i-why-we-need-stronger-cell-phone.html>.

Finally, the General Accountability Office issued a report entitled, "Exposure and Testing Requirements for Mobile Phones Should Be Reassessed" (GAO-12-771: Published: Jul 24, 2012. <http://www.gao.gov/products/GAO-12-771>). The report made the following recommendations which have yet to be addressed by the FCC:

"FCC should formally reassess and, if appropriate, change its current RF energy exposure limit and mobile phone testing requirements related to likely usage configurations, particularly when phones are held against the body. FCC noted that a draft document currently under consideration by FCC has the potential to address GAO's recommendations."

Joel M. Moskowitz, Ph.D., Director
Center for Family and Community Health
School of Public Health
University of California, Berkeley

Electromagnetic Radiation Safety

Website: <http://www.saferemr.com>
Facebook: <http://www.facebook.com/SaferEMR>
Twitter: @berkeleyprc

From: Todd @protonmail.com>
To: Gary Vesperman <garyvesperman@yahoo.com>
Sent: Sunday, September 4, 2016 7:39 AM
Subject: Re: Fw: FCC ECFS Filing Confirmation

Looks like we're losing this battle...

<http://www.naturalhealth365.com/5G-wireless-technology-1958.html>

Too much money to be made, apparently...

5G Cellular Technology Will Blanket Planetary Life With Ultra-High Microwave Frequencies In EMF Pollution

(The following report is from <http://www.naturalhealth365.com/5G-wireless-technology-1958.html>)

The 5G revolution is rushing toward us and it will bring a whole new era of harm from ultra-high microwave frequency radiation. And those who raise their voices against the danger to our health and our human rights to safety have been the subject of harassment, intimidation and attempts to silence them.

On July 14, the FCC voted to unleash 5G in the United States, approving sweeping Spectrum Frontiers rules to make spectrum bands above 24 GHz available for 5G. Even though serious health risks are associated with the proliferation of cell phone technology, the attitude of the FCC seems to be ‘full speed ahead and damn the torpedoes.’

The July 14 vote was preceded, a month earlier, by a June 20th announcement by FCC chairman Tom Wheeler, in which he enthusiastically heralded the coming rollout of 5G applications and networks as a “game-changer” and a “national priority” that will generate “tens of billions of dollars.”

Warning for humanity: The FCC automatically approves the use of untested frequencies. The 5G network will use higher frequency bands than previously thought possible – which are untested frequencies of 24 to 100 GHz or more. Wheeler said that implementing the new frequencies would necessitate new antennas – intended to aim and amplify the signals – new infrastructure and a massive deployment of towers throughout the United States.

The FCC is moving quickly to adapt 5G technology. Wheeler said that Verizon and AT&T will start 5G trials in 2017, with the first commercial deployments scheduled for 2020. Specifically rejecting the notion of 5G being only for urban use, Wheeler noted that all areas, including rural communities, will be saturated. In other words: No part of the country will be safe from ultra-high frequency signals.

With obvious relish, Wheeler spoke of “turning innovators loose” to develop and adapt 5G and related networks. And, as for those ‘annoying regulators’ – who could presumably stand between us and harm from electromagnetic radiation – Wheeler rejects the idea that these cautious people should be allowed to define our future.

Gestapo tactics are being used to silence criticism of 5G technology. At the July 14th press conference, Bloomberg News reporter Todd Shields had his press credentials confiscated by members of the FCC security force. His offense? He was in the act of speaking with safety advocates concerned about radiation, who wanted to show him a tee shirt symbolizing their concerns.

Shields openly confronted Wheeler during the press conference, relating how his credentials had been seized and asking for comment. Wheeler told Shields he could have his credentials back, but went on, unbelievably, to remind him that everyone who came to the press conference had a duty to “behave responsibly.” (in other words, follow orders or get out.)

Who is behaving “responsibly” here – the FCC chair who is shamelessly pushing 5G, or the activists who are trying to hold him accountable? This video (below) says it all – judge for yourself: {Share the news}

Proof of harm: Remember – things that the government once tested and considered “safe” include such toxic horrors as thalidomide, smoking, asbestos, lead paint, and Agent Orange. Can we really trust these so-called government ‘health’ agencies?

Consider this: A \$25,000,000 government study by the National Toxicology Program has concluded that wireless radiation causes cancer. Natural health advocates say that 70 percent of non-industry studies assess wireless radiation as harmful; with industry studies, the effects are reversed – with only 32 percent showing that Hazards of Cell Phones, Wireless Devices, Etc – Book Three 115 September 17, 2016

wireless radiation is harmful. But, either way, the dangers are clear and being ignored by our government due to corporate interests.

The public is at risk: Corporate giants care more about revenue and ignore the dangers. As the annual financial reports of such corporations as Verizon and T-Mobile reveal, the companies acknowledge they are subject to litigation relating to the alleged health effects of wireless phones and radio frequency transmitters. The companies warn that this could result in significant damages; they also admit that wireless technology and adverse health effects do exist – including the threat of cancer.

Already, Nokia is a defendant in 19 separate lawsuits filed in Washington, D.C. alleging that radio emissions from cell phones caused their brain tumors. The lawsuits allege an industry-wide conspiracy to manipulate the science and testing around emissions guidelines – and the world will be watching as this drama unfolds.

Take action to stop 5G cellular technology: The following pair of websites offer clear and practical ways to stop the spread of 5G technology.

Go to ParentsForSafeTechnology.org and learn how to write, call and email the relevant agencies to inform them that this wireless deployment must be stopped immediately. The site provides addresses for the FDA's Center for Devices and Radiological Health, as well as the CDC, the National Institutes of Health, the National Institutes of Environmental Health Sciences, and the National Toxicology Program.

After emailing, make sure to send a copy to your elected officials, and also email a copy to the FCC.

You can also demand a systematic review of 5G by the EPA, and insist that the review be accompanied by the development of proper safety standards. In addition, you can subscribe for more solutions at TakeBackYourPower.net to receive updates on liability actions.

Former congressional candidate and safety advocate Kevin Mottus warns that schoolchildren are already developing cancer and neurological symptoms as a result of exposure to wireless routers. "We are microwaving our population," Mottus declares. It's time to take action.

About the author: Jonathan Landsman is the host of NaturalHealth365.com, the NaturalHealth365 Talk Hour – a free, weekly health show – and the NaturalHealth365 INNER CIRCLE, a monthly subscription to the brightest minds in natural health and healing.

Reaching hundreds of thousands of people, worldwide, as a personal health consultant, writer and radio talk show host, Jonathan has been educating the public on the health benefits of an organic, non-GMO diet along with high-quality supplementation and healthy lifestyle habits, including exercise and meditation.

References:

<http://www.parentsforsafetechnology.org/stop-5g-spectrum-frontiers.html>

Your Cordless Phone Is Bombarding You with Microwave Radiation

(The following text is from <http://www.naturalhealth365.com/microwave-radiation-dect-emf-pollution-1404.html>)

Your cordless phone is bombarding you with microwave radiation

Posted by: Dena Schmidt, staff writer in EMF Pollution April 29, 2015 9 Comments

With all of the focus on the dangers of cell phones and EMF pollution, not as much has been discussed about the significant dangers posed by cordless phones. However, when it comes to microwave radiation, cordless DECT phones (DECT \equiv Digital Enhanced Cordless Telecommunications) are actually even more dangerous than cell phones.

We, at NaturalHealth365, have been highlighting the dangers of EMF pollution – for some time now. But, the problem remains, most people find this information hard to ‘digest’, especially when you consider that it’s an invisible threat. (Unlike toxic pesticides in our food supply)

When you double the microwave radiation, you double the cancer risk

Not only does a cordless DECT phone transmit electromagnetic radiation while you’re using it; it’s also continually emitting microwave radiation from its base even when not in use. (Cell phones transmit harmful radiation while not in use as well). When not in use, cordless DECT phones are emitting radiation from both the handset and the base on a continual basis in your home.

Let’s be honest: Microwave radiation from DECT phones create a toxic environment in the home and even for your neighbors; these harmful effects can radiate through walls and travel significant distances. In fact, Andrew Goldsworthy, BSc PhD of Imperial College in London as well as many other experts believe cordless DECT phones are more dangerous than cell phones.

Microwave radiation is a known carcinogen risk, according to a May 2011 World Health Organization press release. In addition, a Swedish study published in 2006 showed that the use of cordless DECT phones increased cancer risk. In this study, patients with malignant brain tumors were shown to have a significantly higher cancer risk in those persons who used DECT phones instead of a cellular phone. Persons who used both phone types had an even higher cancer risk.

Editor’s note: Being exposed to microwave radiation increases cellular inflammation and stress levels in the body. If you’re a healthcare provider – be sure to warn your patients about the dangers of EMF pollution to lower the risk of cancer.

Simple ways to reduce your EMF exposure:

The best step you can take is to replace cordless DECT phones with corded models. For those not willing or ready to take this step, at the very least, cordless phones should be positioned in a spot in the home where the family spends the least amount of time. They should also be unplugged at night; ideally, DECT phones should only be plugged into the wall when they are being used.

Other tips include using the speakerphone function whenever possible and keeping calls short. Another possible option for those who want to stay cordless while minimizing cancer risk is to switch to a low-radiation, eco-friendly model of the DECT phone.

Tips for reducing harmful radiation exposure from cell phones include:

- Never wear a cell phone ‘on’ the body
- Always use a hands-free corded earbud or the speakerphone function
- Turn cell phones off when not in use
- Do not sleep in the same room with any cordless phone or cell phone

That being said, it seems like putting up with a cord is a small price to pay for better overall and long-term health. Extremely long cords for landline phones are available, so you don’t have to be worried about being

tethered to one portion of the home. Even better, corded phones don't have batteries that lose their charge, so you're free to talk as long as you like.

These simple measures – mentioned in this article – go a long way toward reducing stress in your life and the risk of disease. Why not make the effort?

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<http://www.hese-project.org/hese-uk/en/niemr/cellfeedback.php>

<http://emfsafetynetwork.org/wp-content/uploads/2010/07/DECT-phones-Medical-Warning.PDF>

<http://www.electricsense.com/815/cordless-phones-even-more-dangerous-than-cell-phones>

<http://www.ncbi.nlm.nih.gov/pubmed/16541280>

Wireless Technology: The Dark Side Of Convenience

(The following text is from http://www.naturalhealth365.com/0972_microwave_radiation.html/)

Wireless technology: The dark side of convenience

Posted by: Ron Gordon in EMF Pollution April 18, 2014 4 Comments

The ancient Romans became sickened by seemingly safe lead pipes bringing drinking water. Today, the story repeats with wireless.

Something new is in the air. You can't see it, hear it, smell it or feel it, but the cells in your body can. It's called wireless technology.

Are we slowly cooking humanity to death?

Wireless fills the air around us with an invisible electrosmog of microwave radiation used for communication by devices like cell phones, mobile computers, and smart (utility) meters. The wireless age has revolutionized the way we live our lives – with smartphones tapping into our ancient human need to communicate and belong.

Many of us have willingly succumbed to the addiction of these modern conveniences handed to us by government and industry... but how many of us have stopped to ask: Is this safe?

How does this stuff really work? Are we so desperately attached to our mobile devices that we no longer care to know the truth?

Behind the lure of convenience there is something industry would rather we not know: People are getting sick from wireless; there is a trail of ignored studies going back to WW2 showing stark dangers; our industry skewed safety 'guidelines' are obsolete and largely deceptive; and there is no proof that this technology is safe.

While Europe begins to awaken to the dangers and starts to step back, North America hurtles towards a potential public health disaster. Could it be that the ultimate cost of our wireless convenience is lethally short-sighted?

A new twist to old technology

Most people are not aware that wireless is a modern day adaptation of WW2 radar technologies, complete with most of its inherent risks. It's difficult to relate to the nebulous nature of microwaves which pierce silently through the air around us at the speed of light, vibrating atoms at millions to billions of times per second, penetrating virtually everything including buildings, cement walls, and – unfortunately – our bodies and brains.

Silent and invisible, it's easy to dismiss the radiation from the new cell tower down the street and slot it into the 'no threat' compartment of our minds. This, however, could be a fatal filing error.

We need water every day, which comes to us through pipes. We wouldn't think of putting water into towers and sprinkling it all over ourselves just in case we wanted a drink, yet this is exactly what we do with microwave radiation. Instead of getting it through wires on demand, which works perfectly well and presents no risk, we now blast it silently and invisibly from thousands of cell towers and Wi-Fi's – 24/7/365 – onto everyone.

Water is inert and harmless. Microwave radiation is not.

Our present exposure to man-made microwaves is 1 quintillion (one followed by 18 zero's) times greater than our natural exposure to these frequencies, and increasing rapidly. With a cell tower almost always within sight, smart meters on every home, and industry hell-bent on saturating every square centimeter of the planet with wireless signals, we are literally microwaving every living organism in a global biological experiment.

Is it any wonder that some of us are showing signs of being cooked?

The early warning signs are self-evident

On a pleasant spring morning, in 2006, the residents of the small village of Götene, Sweden arose and began to go about their daily routine. Unknown to most people, on this day a powerful 'WiMAX' station (a wireless internet access system) was activated for test purposes.

Before long some people began to feel ill, and the local hospital emergency room telephone began ringing with calls from people suffering from headaches, difficulty breathing, blurred vision, racing hearts and a range of other symptoms. The symptoms abated when the system was deactivated or if the sufferer left the area. On May 23, 2006, the story was covered on Sweden's STV television station current affairs program, 'Debatt'.

A decade earlier Swedish health authorities had noted that the widespread expansion of wireless signals coincided with a sharp but subtle decline in the overall health of the population. The number of Swedish workers on sick leave began to rise abruptly in late 1997 – after declining for years – and doubled in the next five years.

Today, about 270,000 Swedes are on disability for related impairments. Sweden, the historical epicenter of the cell phone industry with the longest exposed population, was the first country to recognize disabilities from electromagnetic radiation ('EMR') as a valid medical condition.

In spite of calming reassurances from public health authorities, increasing numbers of citizens appear to be presenting classic symptoms of microwave radiation sicknesses. The Russians, who coined the term, describe its effect as "reversible in the early stages, lethal over time".

What is the communication industry hiding from us?

It is common for public health agencies to state that wireless is 'safe' and that there is 'no reason for concern'. But, should we trust these opinions, when thousands of international doctors and scientists have become concerned enough to sign resolutions warning of the opposite?

After all, our authorities have been dead wrong many times before – remember thalidomide, lead, tobacco, and asbestos? In reality, our public health agencies – often lagging decades behind the marketplace – have a rather spectacular history of failure in protecting us from new products.

As chronic long-term exposure to EMR peaks at levels the human body has never before experienced, increasing numbers of us are beginning to succumb. Those highly sensitive are called ‘electrohypersensitives’ (‘EHS’). Are today’s EHS sufferers the early canaries in the coalmine – who’ve reached a tipping point we may all be headed for as exposures continue to increase?

EHS: An Environmental Sensitivity

About 3% of the general population appears to suffer serious to severe symptoms of EHS caused by exposure to EMR – in most cases, wireless devices. Another 35% of the general population has lesser symptoms such as impaired immune function and chronic illness.

EHS is defined by the World Health Organization as: “...a phenomenon where individuals experience adverse health effects while in the vicinity of devices emanating electric, magnetic, or electromagnetic fields.” Common initial symptoms are skin redness and rashes, fatigue, headaches, concentration problems, dizziness, nausea, heart palpitations, sleeplessness, and nervous disorders.

Marie (not her real name), is an ex-teacher in her late 50’s who considers herself typical of the EHS canaries. Also diagnosed with multiple chemical sensitivities (there appears to be a link) her problem began when a headache and feeling of unease developed when using a cordless phone. Over time, the condition worsened.

Now, being around cell phones, Wi-Fi’s and other devices is intolerable – triggering headaches, nausea, dizziness, and twitchiness and nervous system disorders such as muscle spasms. She became so sensitive she could not enter her doctor’s office due to electrical devices – he would pay a ‘house call’ visit to her car as she waited in the parking lot.

Unable to work and on disability insurance, her personal life is severely limited. She must avoid places like public transit, shopping malls, public libraries and other buildings with Wi-Fi – which trigger her symptoms.

Frustrated EHS sufferers often feel abandoned in a type of medical and legal purgatory – electromagnetic refugees with an officially overlooked ‘invisible disease’. Doctors, few of whom are trained in the impairment, may attribute the symptoms to another ailment.

An informal but accurate description might be simply that these individuals are ‘allergic to electromagnetic frequencies’. Over time some take drastic personal measures to avoid radiation, including moving to rural areas. In desperation, some contemplate suicide.

Dr. Riina Bray of the Toronto Women’s College Hospital Environmental Health Clinic, one of the very few mainstream medical clinics treating EHS, has gone from seeing ‘zero’ EHS patients five years ago to now seeing 2 or 3 new patients each week. The patients almost universally blame their symptoms on wireless exposure.

“It’s a huge, huge problem” says Bray, who is calling for more education for physicians for what she calls a “major and fast-growing public-health menace”.

North American safety codes: A half-blind referee

In order to understand how industry can legally radiate citizens into sickness it's necessary to understand how North America's obsolete, inadequate, and industry friendly safety codes protects us – or more accurately – don't. North America's wireless safety codes are one of the world's worst standards, being 100 to 1000 times less protective than some other countries.

The real problem, however, lies in a deceptive design flaw.

Designed decades ago, primarily for workers at radar sites and before cell phones existed, these standards only recognize short-term 'thermal' effects of radiation – if the radiation source heats or burns your body. It completely ignores the more pervasive and subtle 'non-thermal' effects which occur at far lower levels.

Volumes of scientific studies document the frightening effects of chronic long-term, low-level radiation that are simply ignored.

Standards like this are like a half-blind referee that only sees one side of the playing field – the thermal side – while claiming the other side doesn't exist – and that's just the way industry wants it. This allows hydroelectric utilities to bolt a microwave radiating 'smart meter' to your home and tell you it's 'safe'. Technically, they are correct – in the context of obsolete and inadequate standards.

Beyond obsolete safety codes, lurking below the surface and hidden from public view is the vicious world of corporatized science in a multi-trillion dollar wireless industry. Paving the way to pushing wireless radiation into everyone's living room has required the maintenance of outdated safety standards, muzzling and intimidation of scientists who report harm, manufacture of deceptive studies to obscure danger, and the hijacking of public health agencies.

Sound like big tobacco? This is bigger.

Wireless causes DNA breaks and cellular leakage

Andrew Goldsworthy, a retired Imperial College (UK) cell biologist with no industry affiliations who has studied this area extensively, attributes most of the health effects EHS sufferers report to a single cause: at certain frequencies, weak wireless signals – far below safety standards – which pull structurally important calcium ions off of our body's cell membranes, weakening and causing them to leak.

Having its meticulously balanced systems destabilized, even slightly, by wireless triggered leakage wreaks biological chaos – subverting the integrity of the body's intricate defense mechanisms and leaving it vulnerable to all manner of damage. Goldsworthy theorizes how many EHS symptoms can thus be explained: Leaking skin cells cause rashes, tingling, numbness, burning sensations; leaking heart cells trigger potentially life-threatening arrhythmias; in the inner ear, leaking cochlear cells trigger tinnitus and leaking vestibular cells cause dizziness and other symptoms of motion sickness, including nausea.

The biological effects our safety standards ignore reads like a guest list to Dante's inferno: DNA damage, genetic changes, breakdown in intra-cell communication, protein damage, immunological function changes, reproductive system damage, decreased sperm counts, cell damage and death, brain-blood barrier leakage, brain nerve cell damage, free radical increases, melatonin decreases, possible linkage to auto-immune diseases like MS, embryonic cell damage, fetal defects, heritable birth defects, and literally hundreds of potential illnesses related to leakage in cell membranes throughout the body.

While industry continues to deny, deflect, and off-balance studies finding harm, much independent science clearly points to wireless radiation as being antagonistic to the basic cellular roots of life.

This is serious stuff. While there are still many unknowns, it is clear that we're only beginning to understand the complex health risks of the dangerous frequencies the wireless industry has unleashed on unsuspecting citizens.

Public health authorities asleep at the wheel

As the evidence accumulates, other countries have begun to wake up and resist the global wireless assault. Conceding to citizens enraged over cancer clusters, India has recently reduced their allowable EMR levels by a factor of 10 (they were already lower than North America's) and banned cell towers from schools and hospitals.

The French National Assembly has banned Wi-Fi from schools until proven safe and banned advertising of cell phones to children. The German parliament, the Council of Europe, and the Russian National Committee on Non-Ionizing Radiation Protection have all come out strongly against W-Fi in schools.

More than 30 international appeals and resolutions since 2000 warning of wireless dangers have attracted the signatures of thousands of international scientists and doctors.

The guiding concept of the 'Precautionary Principle' is 'better safe than sorry' – inferring that the onus is on industry to prove safety before exposing the public. As past experience has shown however, the truth about the risk of highly profitable toxins such as tobacco, asbestos, DDT, agent orange, thalidomide, X-rays, depleted uranium and others can often be suppressed – at all levels – until bodies begin to accumulate. Due perhaps to the unrelenting laws of inertia, this trend shows every sign of continuing.

A wireless legislative vacuum

We are in the midst of an explosion in wireless technology as legislation lags far behind. Neither industry nor public health authorities can present proof of safety.

There is strong evidence showing a correlation between chronic, low level microwave radiation that falls through the loopholes of our inadequate safety guidelines and a range of harmful biological effects including cancer. Except for a few activist citizen groups and the rare public figure, there are few advocating for the citizens already sick and suffering from wireless exposure, or for future generations who may be affected.

Professor Olle Johansson of Sweden, a recognized international expert in EMF radiation who has spent three decades researching this area, summarizes our current situation in four simple points – paraphrased for brevity:

1. Non-thermal health effects are demonstrated at levels significantly below existing standards.
2. Public safety standards are obsolete and inadequate for prolonged, low-intensity exposures.
3. New standards are urgently needed.
4. It is not in the public interest to wait.

Like big tobacco, we can expect the wireless industry to continue to maximize profit without regard to human cost while our legislators look in the other direction. Welcome to big wireless.

Looking for natural health solutions? Sign up now – for our free, weekly show featuring the greatest minds in natural health and science plus free gifts!

About the author: Ron Gordon is a businessman who suffered a brain tumor in 2010 he attributes to earlier EMR frequency exposure. He continues to research the connection between wireless radiation and adverse health effects, and acts as a riding representative for the Canadians for Safe Technologies organization. For more information – visit: C4ST.org

Suggestions:

1. Minimize your exposure by using your cell phone as little as possible and always holding it away from your head. Texting is safer than talking.
2. Turn the cell phone off at night or when not in use. Do not carry it next to your body when it is turned on. Do not sleep with it turned on next to you.
3. Replace wireless devices with 'wired' if possible.
4. Replace 'DECT' (cordless) phones with corded and avoid the use of wireless baby monitors.
5. Avoid being in close proximity to cell towers and rooftop microwave antenna's.
6. Most studies show significantly more harmful effects on children – children's use of wireless devices should be prevented or minimized.

References:

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Brain Cancer Caused By Wi-Fi Is Putting Our Family's Health In Danger

(The following text is from <http://www.naturalhealth365.com/brain-cancer-wireless-devices-1840.html>)

Brain cancer caused by Wi-Fi is putting our family's health in danger

Posted by: Lori Alton, staff writer in EMF Pollution May 13, 2016 6 Comments

Could modern advances in technology – like Wi-Fi – increase our risk of brain cancer? The science is clear, but (sadly) this information is being suppressed.

Wi-Fi has become a fact of life for many families today. And, while most parents would be understandably concerned if they learned their children were being exposed to harmful substances such as lead paint, dangerous pesticides or toxic fumes, few realize they are exposing their children to carcinogens through the use of electronics devices.

About 290 agents are classified as Class 2B carcinogens, meaning they possibly cause cancer in humans, by the International Agency for Research on Cancer, a part of the World Health Organization (WHO). Many entries come as no surprise – chloroform, DDT, engine exhaust and lead. But, you may be shocked to learn that on the list of possible carcinogens is radiofrequency electromagnetic fields or RF/EMF.

Children at greater risk of developing brain cancer from cellphones

The primary sources of this cancer-causing technology are everyday objects of convenience, like cell phones, televisions, and microwave ovens, along with Wi-Fi and other forms of wireless technology. In a comprehensive analysis of peer-reviewed studies published in the *Journal of Microscopy and Ultrastructure*, the authors conclude that infants, children and even teens are at a higher risk for cancer from devices that radiate microwaves than are adults, although the latter remain at a significant risk as well. Some experts estimate that children are as much as four times more likely to develop brain cancer due to RF/EMF exposure compared with an adult's risk.

Children typically have smaller bodies and thinner skulls. The brain tissue of children is also more absorbent than that of a male adult. Fetuses are the most susceptible of all, raising concerns over pregnant women unwittingly exposing their unborn children to harmful amounts of microwave radiation.

Don't ignore the dark side of wireless technology

The authors cite numerous studies that found a link between electromagnetic force and brain cancer and salivary gland cancer. They also identify several associations between RF/EMF and health concerns, such as ADHD and low sperm count. A link to breast cancer was discovered among girls who kept cellphones in their bras.

Worse yet, as technologies become stronger and more powerful, the risk of cancer-causing exposure increases. Today's Wi-Fi has a data rate that's 55 times faster than found in a typical laptop computer manufactured just a few years ago, making for even higher than normal RF/EMF exposure rates. Regardless of how a person was exposed, evidence of the cancer often does not appear for about three decades.

While government warnings have been issued, most are ignored. Cell phone operation manuals readily identify an issue with overexposure. Therefore, wireless devices should not be treated as toys and devices specifically designed to appeal to young children should be avoided – at all costs.

Protect your health: How to reduce exposure to microwave radiation

Wi-Fi and wireless devices are extremely, and increasingly, common in today's society. Parents may find it a nearly impossible task to eliminate their children's exposure to harmful RF/EMF. But while exposure cannot be eliminated, it can be limited. Here are a few recommendations for reducing the risk of developing cancer and other health disorders due to exposure to Wi-Fi and electronic devices:

1. Adolescent girls and women should not place cellphones in their bras. Likewise, both genders should avoid placing cellphones inside any type of head covering.
2. Keep cell phone calls to an absolute minimum, especially where children are involved. Disable wireless connections if you are not using your phone.
3. Your bedroom and the bedrooms of your children should be safe havens, free of electronic devices. Unplug or disable all electronic equipment for a more restful, healthier sleep.

4. While you may not be able to eliminate all exposure to Wi-Fi, you can limit it in your home. Remove all forms of wireless, including cordless phones and Wi-Fi. Replace these with a hard-wired computer and a corded phone.

5. High levels of RF/EMF microwave radiation found in school classrooms can result in hazardous environments for students as well as teachers. Such circumstances not only threaten physical health, but are known to impede learning. Push your school to turn away from a classroom equipped with wireless laptop computers for every student. Instead, send all that internet traffic through wires.

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Parents Sue Their Son's School Because Wi-Fi Is Making Their Child Sick

(The following text is from <http://www.naturalhealth365.com/classroom-wi-fi-wireless-1586.html>)

Parents sue their son's school because Wi-Fi is making their child sick

Posted by: Lloyd Burrell in EMF Pollution September 27, 2015 2 Comments

Parents are suing their son's private school in Southborough, Massachusetts, claiming that the school's wireless Internet network is making their 12-year-old sick.

The child's parents are requesting that the school switches to a hardwired Ethernet connection or that they lower the radio frequency (RF) radiation levels so that their son may go back to school in September. They are also seeking financial compensation.

Wireless radiation causing "electromagnetic hypersensitivity syndrome"

The parents have filed a 47-page lawsuit claiming that their son, identified as "G" in the lawsuit, suffers from electromagnetic hypersensitivity syndrome. They contend that the radio frequency (RF) emissions from the school's new wireless network, installed in 2013, is stronger than was previously the case. They also claim that it has caused their son to have headaches, rashes, nosebleeds and nausea since then. The symptoms cease when their son leaves campus.

According to the lawsuit the new Aerohive Network doubled their prior emissions in classrooms. "Sometime after the above-described Wi-Fi system was installed, G started to experience occasional, troubling symptoms, which he reported to his parents when he came home from Fay at the end of the school day."

In its defense the Fay School said that it had hired, "Isotrope, L.L.C., which specializes in measurement and analysis of radio communication signals and evaluation of emissions safety compliance. Isotrope's assessment was completed in January 2015 and found that the combined levels of access point emissions, broadcast radio and television signals, and other RFE emissions on campus 'were substantially less than one ten-thousandth (1/10,000th) of the applicable safety limits (federal and state.)'"

Arguing that exposures fall within safety limits is a poor line of defense. The safety limits are completely outdated.

Current radiation safety standards are completely outdated

Existing U.S. standards for wireless/radio frequency exposures are 19 years old. They are based on the erroneous assumption that electromagnetic fields (EMFs) have no biological effects unless there's a heating effect. Yet thousands of studies have disproven this myth time and time again.

A recent expert panel on the subject of cell phones and wireless stated, "This radiation may be 'non-thermal', but [it] has clear and indisputable biological and health effects ... the exposure guidelines fail to protect about 97 percent of the population, most especially children."

Even sources within the government are criticizing the standards. A 2012 U.S. Government Accountability Office report said that current standards "may not reflect the latest research" and "may not identify maximum exposure [to radiation] in all possible usage conditions."

How to measure wireless radiation

Wireless radiation exposures from Wi-Fi and cell phones can be easily and cheaply measured with a radio frequency (RF) meter.

Over the last few years a new breed of RF meters have come onto the market making RF radiation measurement literally 'child's play'. An RF meter measures radiation emissions in the gigahertz frequency range. It's specifically designed to measure ambient radiation exposures from devices such as Wi-Fi routers, cell towers, cordless phones and cell phones.

To measure wireless radiation, turn your meter on and walk slowly through your home, office or school to obtain readings. An RF meter will identify radiation hotspots you never even imagined existed in places where you spend most of your time. [Click here](#) for a review of an inexpensive RF meter that you can use to obtain RF readings in your home or your child's school.

Why children absorb more microwave radiation than adults

A recent research paper, "Why children absorb more microwave radiation than adults: The consequences", has addressed this question specifically. The authors, L. Lloyd Morgan, Santosh Kesarib, and Devra Lee Davis explain how they used computer simulations based on MRI scans of children to model absorption of the type of radiation generated by wireless networks and found, "Children absorb more MWR [microwave radiation] than adults because their brain tissues are more absorbent, their skulls are thinner and their relative size is smaller."

Another problem is that the consequences of wireless and similar electromagnetic field exposures are not immediate, "The average latency time between first exposure and diagnosis of a tumor can be decades, tumors induced in children may not be diagnosed until well into adulthood ... exposure can result in degeneration of the protective myelin sheath that surrounds brain neurons".

In the absence of sufficiently protective standards, it's your own responsibility to take the necessary steps to safeguard you and your family's health.

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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Could Wi-Fi be Making Your Child Sick?

(The following text is from <http://www.naturalhealth365.com/radiofrequency-electromagnetic-fields-1457.html>)

Could Wi-Fi be making your child sick?

Posted by: Lloyd Burrell in EMF Pollution June 15, 2015 1 Comment

Six years ago, British physician Dr Erica Mallery-Blythe sacrificed a successful career in emergency medicine to focus on a new medical interest, radiation emitted by Wi-Fi and other wireless devices. She is now one of the UK's few professional advisers on medical conditions related to radiofrequency (RF) radiation and other electromagnetic fields (EMFs).

A doctor that 'walks the talk'

Dr. Mallery-Blythe decided to move to the country and stopped carrying a cell phone, "I was using wireless devices before most people I knew – I loved it," says Dr. Mallery-Blythe, who was an early adopter, she had her first cell phone aged 10.

"As soon as I started digesting the literature on EMFs it was a no-brainer," she says "I wasn't willing to take that kind of risk for something that was purely convenient."

An alarming trend within emergency medicine

In her role as an emergency physician she began noticing more and more symptoms in people like; headaches, fatigue, insomnia and palpitations. She also noticed an alarming trend in more serious conditions such as brain tumors in the young, fertility issues and neurological diseases such as early onset Alzheimer's and autism.

Bottom line, wireless technology is dangerous.

Over the last few years Wi-Fi, laptops and tablets have become increasingly prevalent in classrooms. Hundreds of families have sought Dr. Mallery-Blythe's help with what they believe to be EMF-related health issues.

How could Monday do so much harm to one girl?

In the fall of 2011 Jessica Lewis complained to her parents that she was getting bad headaches at school and was feeling overly tired, Monday's were the worst days for her. She developed rashes on her legs. Her parents said she looked completely tired out after school.

Jessica's father Paul says, "I ignored it. We didn't know anything about Wi-Fi then; We didn't think her school had it."

Later that term, whilst attending a parents' evening, Paul noticed a Wi-Fi router near Jessica's desk in her classroom. He later learned that Monday was the day of the week the whole class worked on laptops. When their family doctor backed up the Lewis family's suspicions about Wi-Fi being the culprit they tried to convince the school to use wires instead of Wi-Fi. They even offered to pay for the school to be wired with cables.

The school refused, saying that Wi-Fi exposures were well within internationally accepted standards. Dr. Simon Mann at PHE, the Department of Health's agency in charge of health protection replied, "We do not think the balance of available scientific evidence on radiofrequency has shifted and, as such, our position remains that PHE sees no reason why Wi-Fi should not continue to be used in schools and in other places."

Much to her disappointment Jessica is now home-schooled because her symptoms resurface when she's exposed to Wi-Fi.

Warning to 'modern' society: 10 billion times more RF radiation today

Associate Professor Olle Johansson, a neuroscientist at the Karolinska Institute in Sweden, predicts a "paradigm shift" in attitudes towards wireless radiation and other EMF exposures. We're now living in an environment which has approximately 10 billion times more RF radiation than it did just fifty years ago. He says "If this environment is safe we're talking about in the order of 15,000 to 25,000 papers – in peer-reviewed scientific journals – all being wrong. That has never happened before."

Here are some facts that can be gleaned from reading the studies:

A five-year-old child absorbs up to 60 per cent more radiation than an adult due largely to their thinner skulls and their high water content.

Brain tumors have now overtaken leukemia as the most common cause of cancer in children in the Western world.

A recent study found a fivefold increase in the risk of glioma (a form of brain cancer now recognized by the WHO as being linked to cell phone radiation) for those starting cell phone use under 20 years of age, which indicates that the age group at first use is highly significant.

Busting the myths around Wi-Fi radiation

It's an eye-opening presentation because it clears up a number of widely held misconceptions about Wi-Fi radiation. For instance:

Spending time a good distance away from a Wi-Fi router may reduce radiation intensity, but some studies show that low-intensity windows of radiation are more harmful than higher-intensity exposures.

People think their children are safe because the cell phone is not near the brain or the Wi-Fi router is far away. Unfortunately the studies indicate this is not entirely true because the brain is better protected than other more vulnerable parts of the body.

Here are some Wi-Fi radiation tips

1. Keep your cell phone switched off as much as possible and don't use it unless you need to. Keep it in airplane mode when it is on and never carry your mobile close to your body when it is switched, even on standby.
2. Don't use Wi-Fi for internet. Hard wire your Internet connection and buy a router with no wireless capacity or disable it. Disable Wi-Fi on your laptop or tablet via the control.
3. Replace cordless DECT landlines with corded versions. Most cordless telephones emit radiation whether they're in use or not.

For more ways to protect yourself from wireless radiation – visit: ElectricSense.com

Dr. Mallery-Blythe now gives presentations to teachers around the UK in which she presents scientific studies that reveal both short and long-term effects of EMF exposure. One of the presentations (below) has had more than 25,000 views on YouTube since last November. It's about an hour – but may be worth the time, especially if you're sensitive to wireless radiation.

Dr. Mallery-Blythe points out the contradictions on this issue. Whilst there is a gradual move towards warning children not use cell phones except for essential calls, the UK and many other governments are happy to promote the use of iPads in schools, despite evidence that iPads and similar tablets can have an equivalent or higher SAR (the rate at which radiation is absorbed by the body) than a cell phone. Please share this information with your family and friends.

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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New Report: Wireless Technology Causes Brain Damage

(The following report is from <http://www.naturalhealth365.com/wireless-technology-microwave-radiation-brain-damage-1243.html>)

New report: Wireless technology causes brain damage

Posted by: Jonathan Landsman in EMF Pollution December 10, 2014 1 Comment

In April 2014, the BioInitiative Working Group – consisting of 29 experts from ten countries, ten holding medical degrees, 21 PhDs, and three MsC, MA or MPHs – said there is growing evidence that wireless technology causes brain damage, cancer tumors plus a host of chronic health conditions.

Based on a review of the science released in 2012 and 2013, Lennart Hardell, MD, PhD at Orebro University, Sweden says, “There is a consistent pattern of increased risk for glioma (a malignant brain tumor) and acoustic neuroma with use of mobile and cordless phones.”

Wireless (microwave) radiation damages DNA forever! On the next NaturalNews Talk Hour, find out what the mainstream media refuses to tell you about the dangers of wireless technology and microwave radiation. Learn how to protect your family – before it's too late.

Simply sign up now for access to our free, weekly show by entering your email address and you'll receive show times plus FREE gifts!

“We know that microwaves can cause genetic damage.” – Barry Trower, a retired British military intelligence scientist and expert in microwave technology.

“Our grandchildren and children are being used as lab rats...”

This quote is taken directly from Devra Davis, PhD, MPH, president of Environmental Health Trust. Dr. Davis is seriously concerned about the future of humanity. Our children are being exposed to a level of ‘unnatural’ microwave radiation which damages DNA and inhibits cellular repair – which leads to cancer. This is truly an unproven, mad experiment on humans with dire health consequences.

Here are some quick facts about the dangers of wireless technology:

1. In 2007, the BioInitiative Working Group released a 650-page document with over 2000 studies linking RF and EMF exposure to cancer, Alzheimer's disease, DNA damage, immune system dysfunction, cellular damage and tissue reduction.
2. In May 2011, the World Health Organization's International Agency for Research on Cancer categorized “radiofrequency electromagnetic fields as possibly carcinogenic to humans based on an increased risk for glioma, a malignant type of brain cancer, associated with wireless cellphone use.”
3. In April 2012, the American Academy of Environmental Medicine (AAEM) – a national organization of medical and osteopathic physicians – concluded that, “genetic damage, reproductive defects, cancer, neurological degeneration and nervous system dysfunction, immune system dysfunction, cognitive effects, protein and peptide damage, kidney damage, and developmental effects have all been reported in the peer-reviewed scientific literature.”

On the next NaturalNews Talk Hour, you'll discover the early warning signs of ‘electrosensitivity’ syndrome; the dangers of EMF pollution in the home plus simple ways to protect yourself (and your kids).

Simply sign up now for access to our free, weekly show by entering your email address and you'll receive show times plus FREE gifts!

3 simple ways to reduce your exposure to wireless radiation

1. While talking on a cell phone – keep the phone away from your body. As often as possible, use the speaker-phone mode or a wired headset (not Bluetooth).
2. Minimize your exposure. Make every effort to cut down your minutes on a cell phone and use a wired telephone – especially for longer conversations. To reduce your cell phone exposure – communicate by text message instead of making the call.
3. Turn off your cell phone. Especially at night, try keeping the phone off and away from your head as often as possible.

In addition, wireless baby monitors, laptops and ‘smart’ meters will greatly increase your exposure to microwave radiation. If you’re a concerned parent or suffering from any ‘unexplainable’ health issues – do NOT miss the next NaturalNews Talk Hour for an informative, empowering program about your health.

This week’s guest: Camilla Rees, MBA, expert on EMF pollution

Discover the untold (scientific) truth about wireless technology – Sun. Dec. 14

Camilla Rees, MBA is founder of ElectromagneticHealth.org, Campaign for Radiation Free Schools, and co-founder of the International EMF Alliance. She co-authored the white paper, “Cell Phones and Brain Tumors: 15 Reasons for Concern” and is the editor of “Getting Smarter About the Smart Grid”.

Camilla speaks widely on the biological effects of electromagnetic fields, addresses medical conferences on this topic, and is an EMF Advisor to the National Institute for Science, Law and Public Policy. She is also on the advisory board of the International Institute for Building Biology and Ecology and a member of the U.S. Health Freedom Congress.

Warning: If your child has a cell phone. In 2011, the International Agency for Research on Cancer – a committee of 27 scientists from 14 different countries – said: “risks are 5x greater for children using cell phones under the age of 20 than those over the age of 50.” On the next NaturalNews Talk Hour, you’ll learn about the real dangers of wireless technology unreported by the mainstream news.

About the author: Jonathan Landsman is the host of NaturalHealth365.com, the NaturalNews Talk Hour – a free, weekly health show and the NaturalNews Inner Circle – a monthly subscription to the brightest minds in natural health and healing.

Reaching hundreds of thousands of people, worldwide, as a personal health consultant, writer and radio talk show host – Jonathan has been educating the public on the health benefits of an organic (non-GMO) diet along with high-quality supplementation and healthy lifestyle habits including exercise and meditation.

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International Scientists Appeal To UN To Protect The Public From Wireless Technology And Other EMF Exposures

(The following report is from <http://www.naturalhealth365.com/electromagnetic-fields-cell-phone-radiation-1439.html>)

International scientists appeal to UN to protect the public from wireless technology and other EMF exposures

Posted by: Lloyd Burrell in EMF Pollution May 30, 2015 7 Comments

A few weeks ago 190 scientists from 39 nations filed an appeal to the World Health Organization (WHO) and the United Nations, UN member states requesting an urgent review of the current guidelines for electromagnetic fields (EMFs) and wireless technology.

Their goal is that appropriate protective measures be introduced to protect the global human population and wildlife from EMF exposures that are spiraling out of control.

Wireless technology warning: Current EMF exposure guidelines offer no protection

Acute exposures to harmful levels of EMFs may be immediately realized as burns. But the health effects due to chronic or occupational exposure may not manifest effects for months or years.

The scientists appeal states, “ICNIRP (The International Commission on Non-Ionizing Radiation Protection) guidelines set exposure standards for high-intensity, short-term, tissue-heating thresholds. These do not protect us from the low-intensity, chronic exposures common today.”

They ask the Secretary General and UN associated bodies, Dr. Margaret Chan, the Director General of WHO and the UN Secretary General Ban Ki-moon to:

- Encourage precautionary measures

- Limit EMF exposures

- Educate the public about health risks, particularly to children and pregnant women

A strange difference of opinion places lives at risk

The appeal highlights the WHO’s conflicting positions about EMF exposures. The International Agency for Research on Cancer, a branch of the WHO, classified radiofrequency radiation as a Group 2B “possible carcinogen” in 2011, and extremely low frequency magnetic fields in 2001.

Despite this, the WHO continues to ignore its own agency’s recommendations and favors guidelines recommended by ICNIRP. The ICNIRP guidelines were developed by a self-selected group of industry insiders and have long been criticized as offering no protection.

The appeal calls on the UN to resolve this inconsistency. Under the auspices of its environment program, the appeal asks that the UN to strengthen its advisories on EMF risk for humans and to assess the potential impact on wildlife and other living organisms, in line with the science demonstrating risk.

Proof: 2,000 peer-reviewed scientific papers reveal danger

The scientists came up with the appeal after cooperatively filing some 2,000 peer-reviewed studies on the biological and health effects of non-ionizing radiation on human bodies. This is the data that lead the scientists to declare that EMF exposures are posing a widespread threat to human health and have developed into a significant environmental pollutant for the planet.

Dr. Martin Blank, a scientist with over 30 years experience in EMF research and member of the Appeals developing committee, says:

“International exposure guidelines for electromagnetic fields must be strengthened to reflect the reality of their impact on our bodies, especially on our DNA. The time to deal with the harmful biological and health effects is long overdue. We must reduce exposure by establishing more protective guidelines.”

Joel Moskowitz, PhD, of University of California, Berkeley, says, “ICNIRP guidelines set exposure standards for high-intensity, short-term, tissue-heating thresholds. These do not protect us from the low-intensity, chronic exposures common today. Scientists signing the Appeal request that the UN and member nations protect the global human population and wildlife from EMF exposures.”

How to protect yourself from cell phone radiation

In the absence of sufficiently protective EMF standards and legislation, you need to act now to protect yourself. A good starting point is to practice safe cell phone use. This includes:

- Limiting calls to those that are absolutely necessary.
- Using a speaker phone or air tube headset whenever possible.
- Keeping your cell phone in airplane mode when not in use
- Text instead of talk

[Click here for more cell phone radiation tips.](#)

There are many sources of EMFs in our lives. Here are some more simple things you can do to reduce your exposure:

1. Replace cordless phones with corded versions.
2. Replace your Wi-Fi modem with a wired model.
3. Remove as many electrical devices from the bedroom as you can and make sure everything is unplugged when you sleep at night.
4. Replace CFL light bulbs with incandescent bulbs in rooms where you spend time. Choose low-wattage incandescent bulbs wherever possible.

If you’ve not yet taken any action to reduce your EMF exposures don’t delay any longer. Start today by making small changes. The rewards will be worth the effort.

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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Gwyneth Paltrow Warns Of The Dangers Of Cell Phone Use And Wi-Fi Radiation

(The following report is from <http://www.naturalhealth365.com/radiation-wifi-cell-phone-1729.html>)

Gwyneth Paltrow warns of the dangers of cell phone use and WiFi radiation

Posted by: Lloyd Burrell in EMF Pollution February 3, 2016 7 Comments

Gwyneth Paltrow uses her weekly blog to share her insights and tips for a better life. In a recent post the 43-year-old Hollywood star has shared some invaluable advice with her readers on the dangers of cell phone radiation.

Writing on her blog, Goop, the mother-of-two has written an article entitled: “Are Cell Phones and Wi-Fi Signals Toxic?” She says it’s almost impossible to remember a time without smartphones.

Can one celebrity help wake up the world?

She writes: ‘The scientific community’s rumblings about brain cancer and the new-to-us affliction “electro-sensitivity” are worth exploring, at the very least; so we tapped three experts in the field.’

“To help her readers understand the complicated and messy world of cell phone and Wi-Fi safety,” Gwyneth Paltrow consulted Dr. David Carpenter, Ann Louise Gittleman, and Dr. Devra Davis on the issue.

Reality check: Cell phone radiation exposures can cause cancer

In 2011 the World Health Organization classified cell phone radiation as possibly carcinogenic. Ann Louise Gittleman points out that since that time “Numerous scientific papers have built the case that the classification should be upgraded to a ‘Probable Carcinogen’ or even ‘Carcinogen’”.

Cell phone radiation exposures have been associated with many different types of cancer, the best known being brain tumors. The relationship is simple, the longer the hours of cell phone use, and years of use, the greater the risk of cancer.

Industry claims are false; low power does not mean cell phones are safe

The truth is that talking or texting on a cell phone uses the same kind of electromagnetic field radiofrequency radiation as a microwave oven. The telecoms industry often argues that cell phone emissions are not dangerous because there isn’t sufficient power involved. But studies show it is the continued exposure to these low-level emissions, which may be the problem.

The greater issue is that studies indicate certain effects, like neuron death in the brain and increased blood brain barrier permeability are even more likely to occur at the lower output of a cell phone. These risks are increased for those who began cell phone use as a teenager or younger.

Studies show children are nearly 4x more at risk of brain tumors compared to adults

Dr. Devra Davis of the Environmental Health Trust says, “Current Government limits do not account for the unique physiology of children”. Current FCC safety recommendations are 19 years old. These safety recommendations offer safety limits calculated on a 6 foot 2 inch male body. They do not take into account the shorter arms, thinner skins and greater fluid content of children and young people.

Added to this the brains and immune systems of children are still developing – so even low-level exposures can interrupt normal brain or reproductive development. Dr. Davis explains, “Those differences will cause children to absorb relatively more radiation”.

Wi-Fi can be just as dangerous as cell phone radiation

Ann Louise Gittleman explains that, “With time, communications technologies are getting more powerful and tremendously more complex with changing patterns of biological exposures.”

The first generation of Wi-Fi, which was introduced in the late 1990s, had a data rate of 2 Mbps. Third generation Wi-Fi, introduced in about 2002, had a data rate of 54 Mbps. Compare this with 5th generation Wi-Fi, introduced in 2012, which has a data rate of 3 Gbps – that's 55x faster than the 3rd generation!

Dr. David Carpenter comments, "A Wi-Fi computer classroom where 30 kids are on wireless laptops all receiving from one large router, will result in significant exposure to everyone in the room."

How to protect yourself from EMF exposures

1. Make your bedroom a 'safe haven' from EMF exposures. Unplug and disable all electronic equipment for better sleep and regeneration.
2. Remove all forms of wireless from your home, including Wi-Fi and cordless phones. Replace with a hard-wired computer connection and a corded phone.
3. Practice safe cell phone use. Keep calls to an absolute minimum and disable wireless connections when you are not using your phone.

The key point: Take action today

It's not that hard to deal with your EMF exposures. Often it is just a matter of changing a few habits and making smarter choices about how and when you use technology. Yet, due to habits, many people put off making these changes to their lifestyle.

Dr. Davis comments, "I believe that people are waking up to this issue more than ever before. Once they understand how simple it is to reduce exposure, they start making safer choices."

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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New Study: Cell Tower Radiation Can Cause Diabetes

(The following report is from <http://www.naturalhealth365.com/cell-phone-emf-diabetes-1701.html>)

New study: Cell tower radiation can cause diabetes

Posted by: Lloyd Burrell in EMF Pollution January 10, 2016 4 Comments

A study recently published in the Swiss science journal International Journal of Environmental Research and Public Health has found that radio frequency electromagnetic radiation (RF-EMF) from cell phone towers can cause diabetes. This new study examined the effects of EMFs emitted by cell towers on hemoglobin.

Prof. Sultan Ayoub Meo, a professor at KSU's College of Medicine has for the first time proved that the radiation from cell phone towers can cause diabetes mellitus. The study author said that, "This is the first study added in the global science literature about radiation and its link with Type 2 diabetes mellitus."

Wireless technology fuels the epidemic rise in diabetes

The study selected 159 apparently healthy students from two different elementary schools – 96 students from one school and 63 from another, of the same age, gender, nationality, regional, cultural and socio-economic status. Blood samples were collected from all the students and the hemoglobin (HbA1c) was analyzed. The team found that the students, who were exposed to high RF-EMF generated by cell towers had significantly higher HbA1c than the students who were exposed to low RF-EMF.

Diabetes is now rampant in our society. 100 years ago less than 0.01% of the United States population was affected by diabetes, today nearly 27% of the population is affected by the condition.

Type 2 diabetes is now rampant – over 382 million sufferers worldwide

Type 2 diabetes mellitus, also called Type 2 diabetes and adult-onset diabetes is the most common form of diabetes. About 382 million people globally are suffering from diabetes mellitus and this number is expected to increase to 592 million by 2035, according to the International Diabetic Federation. The studies' author said, "In 2014 alone a total of 4.9 million people died due to the complications of diabetes mellitus," which means this deadly disease took someone's life every seven seconds.

The use of mobile phones has markedly increased among both gender and all age groups across the world during the last two decades. The studies' author said that "There are about 7.3 billion mobile subscriptions worldwide, and this figure is more than the world's population."

Not just diabetes: Cancer is being linked to cell tower exposures

This is the first study to establish a link between type 2 diabetes and cell tower radiation. But previous studies have revealed similar findings.

Previous studies have examined the relationship between cell tower radiation exposure and cancer rates in the city of San Francisco – in addition to cities in Austria, Germany, and Israel, dating as far back as the 1970s. All the studies shared remarkably similar findings, living within a certain proximity to a cell phone tower increased the risk of cancer anywhere from two to 121 times depending on the type of cancer that was detected.

In another study carried out in Belo Horizonte, Brazil's third largest city, a direct link was found between 7000 cancer deaths in the city and cell phone tower radiation emissions. Unfortunately, legal action against cell towers is difficult because the 1996 Telecommunications Act (TCA) does not qualify the public's right to protest cell tower locations based on health hazards. So, the question remains: 'What should we do?'

How to protect yourself from EMF exposures

Here are some simple steps you can take to protect yourself from EMF exposures:

1. Avoid Wi-Fi and other wireless networks – especially in the home.
2. Replace cordless phones with corded versions.
3. Practice safe cell phone usage.
4. Avoid using a microwave oven in the home or office.
5. Move your bed 6 inches away from the wall and any potential wiring EMF issues.

If you're concerned about the level of radiation from nearby cell towers you can measure it using a radio frequency meter. [Click here](#) for some important action steps.

Cell tower radiation linked to a long list of chronic diseases

This new study raises question marks over the safety of cell phone towers – particularly those installed in residential and commercial areas including on/near school buildings. The concern is that the radiation emanating from these cell phone towers, besides causing cancer and diabetes may also be causing many other adverse health effects.

Here are some of the other dangers which studies are indicating can result from cell phone type radiation exposures:

- Genetic mutations
- Memory problems
- Depression
- High blood pressure
- Insomnia
- Brain disorders
- Hormonal imbalances
- Infertility
- Dementia
- Heart complications

Bottom line: The dangers – outlined in this article – clearly make it imperative to take action today.

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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FacebookEmail

Study says: Cell Phone Radiation And Mercury In Your Teeth Cause Significant Health Problems

(The following report is from <http://www.naturalhealth365.com/mercury-cell-phone-radiation-1716.html>)

Study says: Cell phone radiation and mercury in your teeth cause significant health problems

Posted by: Lloyd Burrell in EMF Pollution January 24, 2016 2 Comments

Let me ask you, do you have amalgam dental fillings? Do you use a cell phone? If you do, then beware, the latest research shows that you may be particularly at risk.

There's a considerable amount of research pointing to the dangers of radio frequency electromagnetic field exposures from cell phones. There is also significant research which points to the adverse biological

consequences of mercury in amalgams. But what is not so well known is that research is now pointing to a link between the two.

EMFs can cause a significant increase in the release of mercury into the body

Studies are now showing that EMF exposures can cause significant increases in the release of mercury into the body of those with amalgam dental fillings – especially due to cell phone radiation. But, the source of these EMF exposures are not necessarily just from cell phones, these EMFs may come from computer monitors, WiFi, televisions, microwave ovens and other appliances.

Editor's note: 80% of disease symptoms are caused by problems in the mouth, and millions are exposed to disease-promoting dental procedures every day. Find out how to properly remove mercury-based 'silver' fillings plus much more.

Order the Holistic Oral Health Summit today!

In most people who have amalgam fillings it's their fillings that have been documented to be the largest source of mercury in their body. This is a concern because mercury is known to be a potent neurotoxin capable of causing these devastating immune and neurological conditions. Even more worrying is that often the level of mercury exposures is above government health guidelines.

The nervous, immune and cardiovascular systems seem to suffer the most adverse effects of chronic mercury exposure

According to Dr. Russell Blaylock, the nervous, immune and cardiovascular systems seem to suffer the most adverse effects of chronic mercury exposure. He also points to the growing evidence that mercury toxicity plays a vital role in a significant number of Alzheimer's cases along with other neurodegenerative diseases.

Research from a number of prominent medical schools shows that mercury vapor continuously escapes from a dental amalgam and 80 percent of this vapor is immediately absorbed through the lungs and into the bloodstream. Once in the blood, mercury vapor can enter into the cells almost immediately.

Not just vapor effects – this deadly EMF-mercury combo also creates electrical disturbances in the mouth

Another way this deadly EMF-mercury combo is known to work is through galvanism. Amalgam dental fillings produce electrical currents which increase mercury vapor release and may have other harmful effects. These currents are measured in micro-amps, with some measured at over 5 micro-amps.

Clinical studies on oral galvanism have found that currents over 5 micro-amps can cause significant health problems including headaches, migraines, dizziness and nausea. These health symptoms were eliminated when amalgam fillings were replaced.

EMF exposures linked to a string of toxic and allergic reactions

Another clinical study found that electrical potential differences of over 50 millivolts were pathological, causing a number of issues including galvanism, leukoplakia, oral lichen planus, or toxic or allergic reactions to restorations.

Several studies have also found persons with chronic exposure to EMFs including microwaves, or MRI scan exposures have higher levels of mercury and higher levels of mercury excretion. A 2008 study found that subsequent to having an MRI, saliva mercury levels for patients was on average 31% higher after having had MRI than before. EMFs are known to induce current in metals and would increase the effects of galvanism.

In animal and human studies EMFs have been found to cause cellular calcium efflux and affect calcium homeostasis, this is thought to be a factor in the reduction of melatonin levels caused by EMF exposures. This is important because melatonin is known to be protective against mercury and free radical activity, as well as regulating the circadian rhythm.

Tips on how to protect yourself from EMF exposures:

1. Avoid using a cell phone, if you do use one practice safe cell phone use.
2. Avoid Wi-Fi and other wireless networks – especially in the home.
3. Replace cordless phones with corded versions.
4. Avoid using laptops and similar devices on your lap.
5. Move your bed 6 inches away from the wall and any potential wiring EMF issues.

An excellent way of understanding your EMF exposures is to equip yourself with an EMF meter like the Trifield 100XE – so that you can identify hotspots and take remedial action.

HOHS-email-banner-600x150

How to protect yourself from mercury exposures

When you visit a traditional dentist typically you increase your risk of mercury exposure. Even a simple dental cleaning will release mercury vapor. If you are not ready to replace your amalgam fillings – find a biological dentist in your area to reduce your mercury exposure during your dental visits.

If you do decide to have your amalgam fillings removed make sure that your dentist follows a safe protocol as outlined by the International Academy of Oral Medicine and Toxicology. (IAOMT)

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Health Report today!

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New study shows a child's brain absorbs twice as much cell phone radiation versus adults

(The following report is from <http://www.naturalhealth365.com/brain-emf-radiation-1680.html>)

New Study Shows A Child's Brain Absorbs Twice As Much Cell Phone Radiation Versus Adults

A recently published study shows that a child's brain can absorb twice as much cell phone radiation as that of an adult. It confirms that cell phone radiation is absorbed deeper into children's brains than previous outdated cell phone test methods have suggested.

The world now has more than 7 billion cell phones. Given the links between cell phone radiation and a number of serious diseases like brain tumors, cancer and cardiovascular disease, it's almost unimaginable to think that the cell phone test methods, which are now 19 years old and are supposed to ensure our protection, actually do little or nothing to protect our children. This is what a new research paper shows.

Research confirms a significantly higher absorption of cell phone radiation into the younger brains

The new peer-reviewed research paper just published in the IEEE/Access, one of the world's leading engineering and scientific magazines, details how sophisticated computer imaging can simulate exposures of children's brains to the electromagnetic fields (EMFs) emitted by cell phones.

The study used anatomically based models of brains representing different ages, from a 3 year old to 34-year-old, and generated estimates of how the brain absorbs cell phone radiation. The simulations were run through a computer system that the U.S. Food and Drug Administration (FDA) currently uses to evaluate medical devices. The research confirmed a significantly higher absorption of EMFs, cell phone microwave radiation, into the younger brains than into the older brains.

Why aren't we using the most advanced technology to protect the safety of our children?

Robert D. Morris, MD, PhD, a physician, environmental epidemiologist, EHT senior medical advisor and author of a newly released paper criticizing the outdated testing methods, says:

"Cell phone safety is currently evaluated with a twenty-year-old plastic model of an adult male head filled with a liquid that is supposed to mimic the human brain. During those twenty years, the same technology that has revolutionized cell phones has redefined the way we model human biology. Why aren't we using the most advanced technology to protect the safety of our children? Why are we still modeling their delicate, developing central nervous system with an adult sized bucket filled with imitation brain juice?"

Current cell phone standards only protect us from the thermal effects of radiation exposures – which equates to little or no protection

Current cell phone standards only take into account the thermal effects of radiation exposures. That's to say they only protect us from the heating effect of this radiation and yet there are thousands of studies which show adverse health effects well below thermal limits.

This new research confirms the concerns of the American Academy of Pediatrics (AAP). In 2013, the AAP, a non-profit professional organization representing the interests of over 60,000 members, wrote to the Federal Communications Commission (FCC) calling for more protective EMF exposure standards. In 2012 the U.S. Government Accountability Office voiced similar concerns.

We are talking about the real possibility of a generation of children with irreversible brain impacts from cellphones

Devra Davis PhD MPH explains, “Cell phone radiation has also been shown to damage brain development and just like lead we have no scientific documentation of a safe level for children. We are talking about the real possibility of a generation of children with irreversible brain impacts from cellphones.”

We know that children’s skulls and bones are thinner, their brains and bodies contain more fluid so they naturally absorb more cell phone radiation than adults. The fear is that small impacts to children’s rapidly developing systems could have large impacts later in life.

Tips to protect you and your children from EMFs

1. Don’t allow children to use cell phones for calling.
2. As an adult, limit call to those that are absolutely necessary.
3. Avoid carrying your phone next to your body.
4. Avoid Wi-Fi networks – especially in the home.
5. Avoid compact fluorescent lighting and lighting which uses a transformer.
6. Replace cordless phones with corded versions.

[Click here](#) for more tips on how to protect you and your children from EMFs.

New study confirms and builds upon decades of science showing higher absorption of cell phone radiation in children

In 1996, Professor Gandhi’s groundbreaking research first showed that 5-year-old and 10-year-old children have higher absorption rates than adults. Later studies by Gandhi and other senior scientists were cited by the World Health Organization’s International Agency for Research on Cancer (WHO IARC) Monograph on Radio Frequency Fields published in 2013, classifying cell phone and wireless radiation as a Class 2B Possible Human Carcinogen. The WHO states, “The average exposure from use of the same mobile phone is higher by a factor of 2 in a child’s brain and higher by a factor of 10 in the bone marrow of the skull.”

The sophisticated state of the art computer imaging used in this new study confirms and builds upon decades of science showing higher absorption of cell phone radiation in children.

In light of the growing number of studies showing the link between cell phone radiation exposures and a number of serious diseases make sure that you take the necessary steps to protect your children and yourself from cell phone radiation and similar EMF exposures.

About the author: Lloyd Burrell is the founder of ElectricSense.com. His website offers solutions to the growing number of people whose health is being compromised by exposure to wireless and similar technologies. Download his free EMF Protection Report today!

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is

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Autism and ADHD Solutions Revealed

(The following report is from <http://www.naturalhealth365.com/autism-vaccine-dangers-1848.html>)

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 141

September 17, 2016

Autism and ADHD solutions revealed

Posted by: Jonathan Landsman in Autism News May 25, 2016 5 Comments

About 1 in 68 American children have some form of autism, according to official government estimates. That number is likely higher, however, as a survey of parents by the Centers for Disease Control and Prevention (CDC) suggests that as many as 1 in 45 children, ages 3 through 17, have been diagnosed with autism spectrum disorder.

Exposing the cause of autism and ADHD.

On the next NaturalHealth365 Talk Hour, Jonathan Landsman and Dr. John Bergman will talk about vaccine safety issues; the unpopular truth about genetically modified foods plus many other environmental factors that threaten the health of our kids. Find out what we can do to dramatically improve the health of our children.

Simply sign up now for access to our free, weekly show by entering your email address and you'll receive show times plus FREE gifts!

Autism is being diagnosed at an alarming rate

Schools are burdened with the costs of educating autistic students for an additional \$8,600 per child per year on average. Over one-third of young adults with autism have held no job nor received any postgraduate education since leaving high school. Simply put, our society can not continue this way.

The prevalence of autism in U.S. children has increased by 119.4 percent between the year 2000 – when 1 in 150 children were affected – and 2010, with 1 in 68 kids being affected by autism, according to the CDC. The trend gives autism the sad distinction of being the fastest-growing developmental disability. Obviously, we can't wait for government health agencies to solve this problem.

Understanding the causes behind this incredible surge in autism is the first step toward a natural solution for these developmental disorders – including ADHD. 'There are a number of factors most likely contributing to this epidemic,' according to Dr. Bergman.

Simply sign up now for access to our FREE, weekly show and learn how Dr. Bergman has identified the likely contributing factors for upward trends in autism and ADHD, and what role natural approaches can play in addressing symptoms of autism and ADHD. Enter your email address and you'll receive show times plus FREE gifts!

This week's guest: Dr. John Bergman, chiropractor and leading expert in the areas of human anatomy and physiology

Discover the causes of autism and ADHD plus natural solutions – Sunday, May 29

Dr. John Bergman was launched into chiropractic care by a devastating accident that nearly ended his life. At 30 years old – as a hard-working, single dad – he was hit by a speeding car that left him with 2 fractured legs, a fractured skull and chest, bruised liver and heart.

Thankfully, he received the finest medical care that saved his life. However, after four knee surgeries and multiple medications, our guest knew that surgeries and drugs were not the answer to regaining his health.

Disillusioned by the modern symptom-based healthcare system, he began his search for a healthcare model that could help him naturally regain his health. With his own techniques and an extensive knowledge of human anatomy and physiology that few can match, our guest has many successes even with the most challenging health cases.

About the author: Jonathan Landsman is the host of NaturalHealth365.com, the NaturalHealth365 Talk Hour – a free, weekly health show – and the NaturalHealth365 INNER CIRCLE, a monthly subscription to the brightest minds in natural health and healing.

Reaching hundreds of thousands of people, worldwide, as a personal health consultant, writer and radio talk show host, Jonathan has been educating the public on the health benefits of an organic, non-GMO diet along with high-quality supplementation and healthy lifestyle habits, including exercise and meditation.

New Research Shows Exposure To Toxins From Farming Chemicals Banned In the 70's Increase Autism Rates Drastically

From: Health Freedom Alliance <no-reply@healthfreedom.org>

To: Gary Vesperman <garyvesperman@yahoo.com>

Sent: Tuesday, August 30, 2016 12:07 PM

Subject: Gary: New Research Shows Exposure To Toxins From Farming Chemicals Banned In the 70's Increase Autism Rates Drastically | Breast-Fed Babies Shown to Have Longer Telomeres, Linked to Longevity | The Black Cumin Seed, Nigella Sativa, Found In The In The Tomb Of Egyptian Pharoah Tutankhamun, Why?

New Research Shows Exposure To Toxins From Farming Chemicals Banned In the 70's Increase Autism Rates Drastically

(Note that some researchers claim that the large increase in autism since the 1970's can be blamed on wireless radiation. Apparently these farming chemicals may also cause autism. It may be impossible to separate these two contributors to autism. Gary Vesperman)

Chemicals used in certain pesticides and as insulating material banned in the 1970s may still be haunting us, according to new research that suggests links between higher levels of exposure during pregnancy and significantly increased odds of autism spectrum disorder in children. According to the research, children born after being exposed to the highest levels of certain compounds of the chemicals, called organochlorine chemicals, during their mother's pregnancy were roughly 80 percent more likely to be diagnosed with autism when compared to individuals with the very lowest levels of these chemicals. That also includes those who were completely unexposed.

Although production of organochlorine chemicals was banned in the United States in 1977, these compounds can remain in the environment and become absorbed in the fat of animals that humans eat, leading to exposure. With that in mind, Kristen Lyall, ScD, assistant professor in Drexel University's A.J. Drexel Autism Institute, and her collaborators, decided to look at organochlorine chemicals during pregnancy since they can cross through the placenta and affect the fetus' neurodevelopment.

"There's a fair amount of research examining exposure to these chemicals during pregnancy in association with other outcomes, like birth weight – but little research on autism, specifically," Lyall said. "To examine the role

of environmental exposures in risk of autism, it is important that samples are collected during time frames with evidence for susceptibility for autism – termed ‘critical windows’ in neurodevelopment. Fetal development is one of those critical windows.”

Their paper describing this study was published in *Environmental Health Perspectives*. Now a researcher in the A.J. Drexel Autism Institute’s Modifiable Risk Factors Program, Lyall was with the California Department of Public Health when she began the work. She teamed with researchers from the department, including Gayle Windham, PhD, and Martin Kharrazi, PhD, members of the Kaiser Permanente Division of Research (which includes the study’s principal investigator, Lisa Croen, PhD), as well as an expert on measuring organochlorine chemicals, Andreas Sjodin, PhD, of the Division of Laboratory Sciences of the National Center for Environmental Health.

The team looked at a population sample of 1,144 children born in Southern California between 2000 and 2003. Data was accrued from mothers who had enrolled in California’s Expanded Alpha-fetoprotein Prenatal Screening Program, which is dedicated to detecting birth defects during pregnancy.

Participants’ children were separated into three groups: 545 who were diagnosed with autism spectrum disorder, 181 with intellectual disabilities but no autism diagnosis, and 418 with a diagnosis of neither.

Blood tests taken from the second trimester of the children’s mothers were used to determine the level of exposure to two different classes of organochlorine chemicals: Polychlorinated biphenyls (PCBs, which were used as lubricants, coolants and insulators in consumer and electrical products) and organochlorine pesticides (OCPs, which include chemicals like DDT).

“Exposure to PCBs and OCPs is ubiquitous,” Lyall said. “Work from the National Health and Nutrition Examination Survey, which includes pregnant women, shows that people in the U.S. generally still have measurable levels of these chemicals in their bodies.”

However, Lyall emphasized that exposure levels were key in determining risk.

“Adverse effects are related to levels of exposure, not just presence or absence of detectable levels,” she said. “In our Southern California study population, we found evidence for modestly increased risk for individuals in the highest 25th percentile of exposure to some of these chemicals.”

It was determined that two compounds in particular – PCB 138/158 and PCB 153 – stood out as being significantly linked with autism risk. Children with the highest in utero levels (exposure during their mother’s pregnancy) of these two forms of PCBs were between 79 and 82 percent more likely to have an autism diagnosis than those found to be exposed to the lowest levels. High levels of two other compounds, PCB 170 and PCB 180, were also associated with children being approximately 50 percent more likely to be diagnosed – again, this is relative to children with the lowest prenatal exposure to these PCBs.

None of the OCPs appeared to show an association with higher autism diagnosis risk.

In children with intellectual disabilities but not autism, the highest exposure to PCBs appeared to double the risk of a diagnosis when compared to those with the lowest exposure. Mid-range (rather than high) OCP exposure was also associated with an increased level of intellectual disability diagnosis when measured against children with the lowest exposure levels.

“The results suggest that prenatal exposure to these chemicals above a certain level may influence neurodevelopment in adverse ways,” Lyall said.

These results are a first step to suggest these compounds may increase risk of development of autism, and Lyall and her colleagues are eyeing up more work in the field.

“We are definitely doing more research to build on this – including work examining genetics, as well as mixtures of chemicals,” Lyall said. “This investigation draws from a rich dataset and we need more studies like this in autism research.

Those interested in reading the full study, “Polychlorinated Biphenyl and Organochlorine Pesticide Concentrations in Maternal Mid-Pregnancy Serum Samples: Association with Autism Spectrum Disorder and Intellectual Disability,” can access it [here](#).

Source(s)

drexel.edu

ehp.niehs.nih.gov

<http://www.healthfreedom.org/new-research-shows-exposure-to-toxins-from-farming-chemicals-banned-in-the-70s-increase-autism-rates-dramatically/>

Videos from EHT: NPR News on Cell Phones and Cancer

From: Angela @gmail.com

Sent: Tuesday, August 30, 2016 10:18 AM

Subject: Videos from EHT: NPR News on Cell Phones & Cancer

Note: Gmail sometimes collapses my email into 3 dots ...

If you see this, please click on the ... to see the contents.

Angela

Below are some great videos from EHT, Environmental Health Trust, led by Nobel Prize Winner and oncology epidemiologist Dr. Devra Davis. She was a founding director within the US National Research Council at the National Academy of Sciences and a founding director of oncology at University of Pittsburgh Cancer Institute <http://ehtrust.org/about/dr-devra-davis/> She was responsible for eliminating smoking from commercial flights.

1) Dr. Devra Davis shares research on effects from prenatal exposure to cell phone radiation in this 15 minute video https://www.youtube.com/watch?v=LZicHZaUKps&feature=em-subscriptions_digest

3 times more DNA damage, spinal cord damage, damage to memory and thinking part of the brain (hippocampus) from only 15 minutes per day of cell phone radiation exposure for 7 days. Results were statistically significant. The faster cells grow, the more vulnerable they are to toxic exposures. Newborns double their brain size after birth.

Asbestos and cigarettes are examples where a generation of people are paying the price for poor US public health policy – the insistence of absolute proof of harm before taking action, rather than taking preventive measures from the beginning. For example, **asbestos was used in baby PJ suits to protect them against fires!!!** Cigarette advertisements showing doctors smoking, women losing weight if they smoked.

Again, cell phones were never tested for long-term health effects before introduction to market because they were **presumed to be safe as long as there was not enough microwave power to heat your body's tissues.** Since cell phones were presumed to be safe, this presumption was then applied subsequently to all other wireless products since they all emitted less microwave power (however iPads and smart phones emit Hazards of Cell Phones, Wireless Devices, Etc – Book Three 145 September 17, 2016

more wireless radiation than voice-only cell phones). **In our current uncontrolled environment of ubiquitous wireless radiation, children and people are actually now part of a mass nonconsensual experiment now where we are all producing the data that will have to show serious harm before our government will take any action.**

2) An interview by NPR with Dina Marron, Health and Medical Editor at Scientific American, on the NTP rat study where 3% of the rats that were exposed to cell phone radiation **at below thermal levels** for 2 years beginning in utero developed heart and brain cancer. The rats that were NOT exposed did NOT develop any cancer. **Results of this study were statistically significant.** (10-minute interview)
https://www.youtube.com/watch?v=xwGEGs_dS6FE&feature=em-subscriptions_digest

3) Dr. John Bucher, Director of the National Toxicology Program, making the statement that the majority of those who have reviewed the NTP cell phone rat study believe that cancers in the rats were caused by their cell phone radiation exposure (2-minute video) https://www.youtube.com/watch?v=bj51V_ex7RE

4) Video from the National Institute of Environmental Health Sciences (NIEHS) National Toxicology Program explaining the study of cell phone radiation on rats that resulted in a statistically significant increase in brain and heart cancer among exposed rats.
https://www.youtube.com/watch?v=TCRF71eMZ1Q&feature=em-subscriptions_digest

5) Telecom And Insurance Companies Warn Of Liability And Risk – Cell Phones Wireless Companies Warn Shareholders About Future Financial Risks From Electromagnetic Radiation. **Statements from Annual reports of Verizon, AT&T, Vodafone, China Mobile, General Communication, American Tower, Crown Castle, Telefonica, Microsoft, T-Mobile, Nokia, from 2014/5 to investors regarding HUGE anticipated settlements from lawsuits involving injuries caused by wireless devices.** (Most of these companies are self-insured and do NOT carry liability insurance, meaning if they lose the lawsuits they will have to pay) Also statements by Swiss Re (reinsurer), Lloyd's of London (reinsurer) and other insurance companies around the world specifically stating they will NOT cover injuries caused by electromagnetic fields.

<http://ehtrust.org/key-issues/cell-phoneswireless/telecom-insurance-companies-warn-liability-risk-go-key-issues/>

6) 5-minute Video from the government of Cyprus informing parents of precautions to take with their kids on wireless. Keep the cell phone away from your head, out of pants pockets and bras. Minimize use, and children should only use in emergencies. Use it on speakerphone or with an airtube headset. Avoid using cell phones in your car or elevator (metal enclosure amplifies the effects of RF radiation and at the same time blocks reception, forcing your phone to emit higher RF levels to maintain a signal). Keep cell phones, iPads, laptops in airplane mode when Wi-Fi is not in use. Turn off Wi-Fi routers whenever not in use and especially at night, and keep home routers away from where you spend a lot of time.
<https://www.youtube.com/watch?v=H43IKNjTvRM>

Ordering Online Groceries For EMF Refugees

From: "TAMARA @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Wednesday, August 31, 2016 11:30 AM
Subject: Re: [emfrefugee] ordering online groceries for emf refugees

Thrive has a refer a friend also. How do I add your name? Shoot I found this link after I found the refer a friend link.

Tamara

On Sun, Aug 28, 2016 at 1:27 PM, Jenny @yahoo.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote: I was recently trying to provide advice to someone who is helping an EHS person who is being evicted from her apartment and can't find another place to live. One of the problems facing this person is that she doesn't drive, so on top of the all the immense challenges of finding/creating a safe place to live, she also would have to find a place within walking distance of grocery stores, since she doesn't have a car and might not be able to tolerate public transportation.

I recommended that the person who is being evicted investigate ordering groceries online. Although I live within a forty minute drive of several health food stores, and there is one decent-ish grocery store nearby, I've found online ordering for groceries, supplements, and personal/household products to be incredibly helpful and also saves a lot of money. The variety is a lot wider even than what is offered in the three health food stores, and it's uniformly cheaper. They offer free delivery to your door (or in some cases to a PO box, although not all are set up to do that) if you order a minimum amount, between 20 and 50 dollars.

My two favorite places for ordering are luckyvitamins and iherb. The other two that I would recommend are Thrive market and Grub market. Grub is the only one that will send fresh produce and other perishables to your door, kept cold with cold packs. So essentially, you can do all your grocery shopping online. Since I have a very small refrigerator, I do not order perishables, since I just buy small amounts locally. The reason I like iherb the best is that in addition to their already very low prices, they also offer a ten percent loyalty discount, so that you can get ten percent off of every order you place subtracted from your next order. If you spend \$50 you get 5 dollars off your next order. They also give you discounts if anyone uses your link to place their first order, so I'm attaching my link here in case anyone wants to check them out.

[http://www.iherb.com?rcode= VAM583](http://www.iherb.com?rcode=VAM583)

Thrive market requires an annual membership fee, but you can get this waived if you are low income and write them a letter about why you need it waived.

Jenny

EMF – How I Got Better

From: "Ela @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 1, 2016 2:57 AM
Subject: [emfrefugee] EMF - how I got better

Hi everyone

After 4 years of struggle I think I finally overcame my EMF problem.

I can stay in places which used to make me very sick. I can take high speed trains. I can spend whole day in the office surrounded by computers, scans, photocopiers etc. I'm finally free.

I thought I could maybe recommend few things I've tried myself before I finally overcame EMF problem.

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September 17, 2016

Reiki have saved me. Perhaps it's not for everyone as most people are very skeptical, but I'm very convinced that was the biggest reason why I got better.

I also got rid of all cosmetics containing aluminum and unnecessary chemicals. I started eating very healthy and also taking heavy metal magnet pills to get rid of heavy metals from the system.

<http://www.youngagain.com/magento/featured-products/heavy-metal-magnet-detox.html>

Chlorella also removes heavy metals from the system and it's 100% natural. I'm still taking both, chlorella and heavy metal magnet pills.

My mum found ADR mat for me which was created by a polish inventor. The mat received few awards. It's resetting your energy magnetic field while you are sleeping by taking it to its raw state. It's really good.

<http://www.adr.com.pl/new/product/adr-mat-bedding-size-xl-150cm-x-200cm/>

<https://quantumevolution.co.uk/store/adr-products/adr-mat-large-09-x-2m-%C2%A34900-inc-vat>

<https://www.youtube.com/watch?v=3RXmycqVBn8>

I went through hell because of EMF. I've never suffered so much in my entire life. I did a lot of research in that field and the above really helped me.

I hope it will help someone too.

Best of luck

Ela

On 3 Sep 2016, at 01:40, Mary @gmail.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

What a dream – to write an email like this! Ela, thank you for sharing!

I am curious about the Reiki treatments....as I am doing some different energy-related things now (seeing an energy healer, qi gong, affirmations with EFT tapping). It is all helping ALOT! I sat through a 2-hour Board of Education meeting last night, with a house full of Wi-Fi and cell phones. And I am FINE today! I was sooooo skeptical of all this energy stuff before, but my strong desire to heal is greater than my doubts. I had at least a mustard seed of faith in this stuff...and it is paying off.

Can you tell us about the Reiki work: How often did you have it done? For how long? About how much do treatments cost where you live?

Grateful for your sharing! Mary Anne in Fairview, NC

From: "Lily @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee <emfrefugee@yahoogroups.com>

Sent: Saturday, September 3, 2016 3:21 PM

Subject: Re: [emfrefugee] Re: EMF - how I got better

So happy for you, Ela, and thank you for taking the time to come back to the group and share.

Lily

On Sat, Sep 3, 2016 at 2:28 PM, Ela @gmail.com [emfrefugee] <emfrefugee@yahoogroups.com> wrote:

Happy to share :)

I was desperate to get better and open to try anything really!

The length of the treatment depends on the shape of person's electromagnetic field (aura). It could be 3 sessions or 7. Depending how messed up it is... It also depends on the healer...

I suppose so called "bio-energy therapy" would work too as it also aims to fix bio energy field.

I'm in London, I only know one person here who does these things. He charges £50 per session.

I also got contact details to someone living in Cornwall who does these things "remotely".

I haven't got in touch with him as I got better so no need.

That's his web page though <http://www.past-life-healing.co.uk/pastlifehealing.html>

From: "E. @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee <emfrefugee@yahoogroups.com>

Sent: Saturday, September 10, 2016 7:07 AM

Subject: [emfrefugee] EMF help and help with anything that is painful. Look at page 3

www.thetappingsolution.com tap with index finger and middle finger.

EVERYTHING IS ENERGY.

Ellie 85. If I can do it and get rid of headaches from Wi-Fi, you can too. Best wishes to all.

Re: Satellite internet while camping

From: "Shannon @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>

Sent: Thursday, September 1, 2016 1:39 PM

Subject: [emfrefugee] Re: Satellite internet while camping

I don't know about using satellite for camping. Are you referring to something like what journalists used to use in the field before there were cell towers everywhere and they no longer needed them? Like a Sat phone? If that's what you mean I don't know and I wouldn't recommend something like that. For Satellite internet you generally need a satellite dish installed at a residence, so this would not work for camping.

Unfortunately a lot of campgrounds now have Wi-Fi to accommodate people camping who need internet. I don't think this is a good trend. (In other places there is cell coverage and people use their 'smart' phones for internet. Both bad options.

If you are going to camp in order to recover you need to be camping somewhere away from all of the RF crap.

Most who live this way just deal with going into town to send and receive emails at a library, etc..

Unfortunately they have to use Wi-Fi, unless you can by some miracle find a place that still uses wired connections.)

Shannon

From: "Lily @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee <emfrefugee@yahoogroups.com>
Sent: Thursday, September 1, 2016 7:56 PM
Subject: Re: [emfrefugee] Re: Satellite internet while camping

There is an ES guy who lives/travels in a van, and has figured out how to use technology without it hurting him (not to say that it wouldn't bother some other people).

Here is the website:

<http://www.beyondthevan.com/category/van-specifics>

Best, Lily

Israeli CH10 News - WIFI in school - 30/08/2016

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, September 2, 2016 1:20 PM
Subject: [emfrefugee] Israeli CH10 New - WIFI in school - 30/08/2016

With English subtitles.

10 ערוץ - הספר בבתי WIFI על כתבה 30/08/2016



10 ערוץ - הספר בבתי WIFI על כתבה 30/08/2016

Israeli CH10, sub 6 minutes, report about the WIFI deployment in Israeli schools, the rolling of responsibilities for the test, the radiation levels and stu...

View on www.youtube.com

Preview
by
Yahoo

I Need Help Right Away. Help!! Why am I Soo Sick on My New Home Phone?

From: "Thegirllovesflowers @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Saturday, September 3, 2016 2:03 PM
Subject: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

I will be able to stay in my vehicle tonight if I don't get this figured out but if anyone's out there now, can you advise?

I ordered phone service with Cox Cable. When I ordered they assured me it's the old fashion phone line. Well they installed it using a cable like, like for hooking up cable TV. Then hooked to a modem, and my phone is hooked up to that modem.

Yikes, it looks like the magnetic fields are skyrocketing now.

So I called immediately got it turned off on their end (no one came to my house to undo what they did with the power lines on my house and on the street). The numbers seem to have gone down a little bit. Do I need to have them go back to the power lines and remove what they installed to have it completely off? They told me over the phone "No", but they have argued about the situation the entire phone call. So I don't believe them. They were no help. So far I am down 90 dollars due to their negligent information. ;(

Thanks for any advice you have.

~Tammy

From: "Jane @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Saturday, September 3, 2016 3:26 PM

Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

Many sensitives react to cable-delivered 'landline' phones for various reasons. Most people have to have the old fashioned AT&T lines that are soon going to be taken out but are still available. You probably do need to get your phone from AT&T or local phone company using the old AT&T lines. It costs more, but it is worth it. Be sure to get at least one phone that is not plugged in to electricity as a second extension phone if you have a main phone that is plugged in for answering machine or whatever. Much easier to talk on the unplugged phone.

Meanwhile is the modem unplugged and is Wi-Fi turned off on it if it is still plugged in? Have you measured Rf levels?

Best, Jane

From: "Jenny @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Saturday, September 3, 2016 6:22 PM

Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

Yes you need to get the old fashioned kind of landline. I had terrible reactions to satellite dish cables, even after the landlord told my duplex neighbors they had to have the satellite dish removed. The cables weren't attached to anything, but I got head pains which an electrician described as from capacitive coupling. Luckily I don't seem to have the same reaction to their regular cable lines. Try to get it all taken out if you can. If you need an answering machine, I recommend using voicemail via ATT even though it's ten dollars a month. That way you don't need added electrical devices. Jenny

On Sep 3, 2016, at 3:31 PM, "Cindi " < @fourwings.net> wrote:

Hi Tammy:

My experience with Cox is that their employees don't know that you can't turn off the portion of the modem that looks to pair with a device. I can't tell from your email if you disconnected the modem. Go back to hard wire land line. Century Link, or other landline provider. Sorry that cost you. It is just the employees don't know.

There are also the effort of the cable companies to provide a side of your home router or modem that is for public access. Not your side which is secure; so the other side sends a signal to find the device of a Cox user who would then be able to use as their public Wi-Fi access. Forgive me, but I am not recalling if Cox is doing that or if Comcast is doing that. We are just sticking to hard wired land lines for now.

What kind of meter are you using to measure the pulsed frequencies? Because you should see it drop off completely, not just a little and it the readings should be the same as before you got the phone.

Cindi Peck

From: "Shannon @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Sunday, September 4, 2016 9:56 AM
Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

Hi Tammy,

I would think a cable company can only do cable connected phone lines, so that's weird they told you otherwise. In my experience though the cable should be okay as long as the modem is not Wi-Fi enabled. When I had a cable phone and cable internet before our move (Comcast), they had wanted to update my modem with a new one saying it was better, faster. I let them (this before I got EHS badly). And then I thought to meter it after getting EHS, as I had asked them if it was with or without Wi-Fi and they said without (because even then I didn't want the Wi-Fi). So I believed them. Well when I did read it had very high RF readings. So it did have a radio transmitter in it. So they lied or more likely were totally ignorant to this fact.

The problem is most modems now come with Wi-Fi enabled all of the time without an on/off button and you have to have it disabled internally either via computer or a technician.

But it sounds to me like you are talking about low-frequency readings and not high frequency? I would guess any modem would have a good deal of low-frequency EMF coming off them. But they could drop off close to the box. I haven't noticed having any differences in terms of EHS symptoms from landline phones versus cable internet phones personally (unless the modem has Wi-Fi). When we had DSL internet and a landline phone, the modem came with the Wi-Fi enabled and immediately gave me a terrible headache when they installed it. This after I had specifically said I need it disabled (when I ordered the service). But the tech came out assuming that had been done already and it hadn't. So it took him 2 hours on the phone with his boss to figure it out.

Anyway sorry you are dealing with all that. Such a pain.

Good luck!

Shannon

From: "Jane Ferris drjaneferris@gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Sunday, September 4, 2016 10:57 AM
Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

Hi Tammy,

Really sorry to hear it is just magnetic fields in the house. [My understanding now is that you have measured and do not have RF (radiation fields) so we are only talking magnetic fields?] Magnetic fields can be difficult to

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 152 September 17, 2016

deal with. Usually has to do with the wiring in the house. I found high magnetic fields in a house that had solar inverter meter sending electricity from solar panels to the electric company. There were high readings in random areas of the house that did not correspond to anything reasonable.

If you are getting readings over 5 on the magnetic fields this is very high as you know even before the cable was installed. Maybe the cable is increasing magnetic fields and electrical fields?

Maybe you also have Rf fields that haven't been measured? If you are sure that there is no Rf I think you must consult an EMF wiring specialist. Wiring in the house may need to be changed.

I know how frustrating all this can be.

Jane

<http://www.electricsense.com/6893/emfs-magnetic-field-reduction-home/>
<http://www.electricsense.com/8335/magnetic-fields-safe-levels-exposure-emfs/>

From: "Thegirllovesflowers @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Saturday, September 3, 2016 6:42 PM
Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

Thank you Cindy and Jane for your replies.

I use a Trifield meter model 100xe to measure things.

We just moved in and unfortunately I measured the area four times last week – looking for good places to place our bedding, but not right before the phone was put in. Actually I hadn't even bought a phone yet. My readings then were 3-5 consistently .

The modem is a Cisco DPQ3212. When it was plugged in it had the lights lit up on everything except link. They are the power lights for DS, US, ONLINE, LINK, TEL1, TEL2, and BATTERY.

I unplugged the modem immediately after seeing my magnetics go to 6-8 range within the 0-3 range magnetic scale when I put it near the modem. It waved around though, like flickering.

I unplugged the modem then the range went down to 5 consistently. I put it near the cable and it went to up to 5-6. So I unplugged that cable from the cable that was running to the outside where he had it connected to a splitter. That's where another cable is connected to that splitter and runs all the way out to the electricity pole. With lots of stuff on it.

Unfortunately we don't get a T and T here, although if it's going to be switched there's no reason to anyway. The only other phone co. here is Frontier. They were more expensive than Cox. Maybe that's because they are still doing the landlines. Do all the co.s have to switch anyway, and I would just be wasting my money again??

~Tammy

Loving life and the giver of it!

From: "Bill @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com

Sent: Sunday, September 4, 2016 8:38 PM

Subject: Re: [emfrefugee] I need help right away.Help!! Why am I soo sick on my new home phone?

If they told you it was the same as a land line you should ask for your money back... complain that it doesn't work when your electricity is disconnected.

If you need to stick with it, try a different power supply for the modem.

You should try a linear supply with same voltage and at least as much current. Also, if it's coming in on cable you can try an isolation transformer on the cable to block ground loops. They are small, use no power, and cost around \$20. Best to find out what frequency the modem uses first because if it's too low (below the cutoff of the transformer) it won't work. But I think it will work.

UK: "Modern Life is Killing our Children". Huge Increases in Mental Illness in Children. Tech Has Not Improved Education

From: Angela < @gmail.com>

To:

Sent: Sunday, September 4, 2016 10:14 PM

Subject: UK: "Modern Life is Killing our Children". Huge Increases in Mental Illness in Children. Tech has not improved education.

Two important articles just came out:

- A study has just been published in the UK - **"Modern Life is Killing our Children: UK Cancer Rate in Young People up 40% in 16 years"** Environmental factors, including electromagnetic fields and cell phone radiation, is likely cause http://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&objectid=11703565
- An article in Time Magazine, **"Screens in Schools are a \$60 billion Hoax"**, discusses how technology has not improved education, but can hurt children. Screen time has been correlated to increased depression, anxiety, ADHD. Also mentions the iPad scandal in LAUSD, where the former superintendent had a close relationship with Apple executives which led to the \$1.3 billion contract with Apple for iPads. The implementation for tech in schools has been driven largely by corporate profit. <http://time.com/4474496/screens-schools-hoax/>

Gmail often collapses my emails into 3 dots ...

If you see this, click on the ... to expand.

In addition, **there have been huge increases in mental illness in US Children:**

October 2013: **The NIMH (National Institute of Mental Health) reported 25-30% of kids between ages 13-18 will experience an anxiety disorder.**

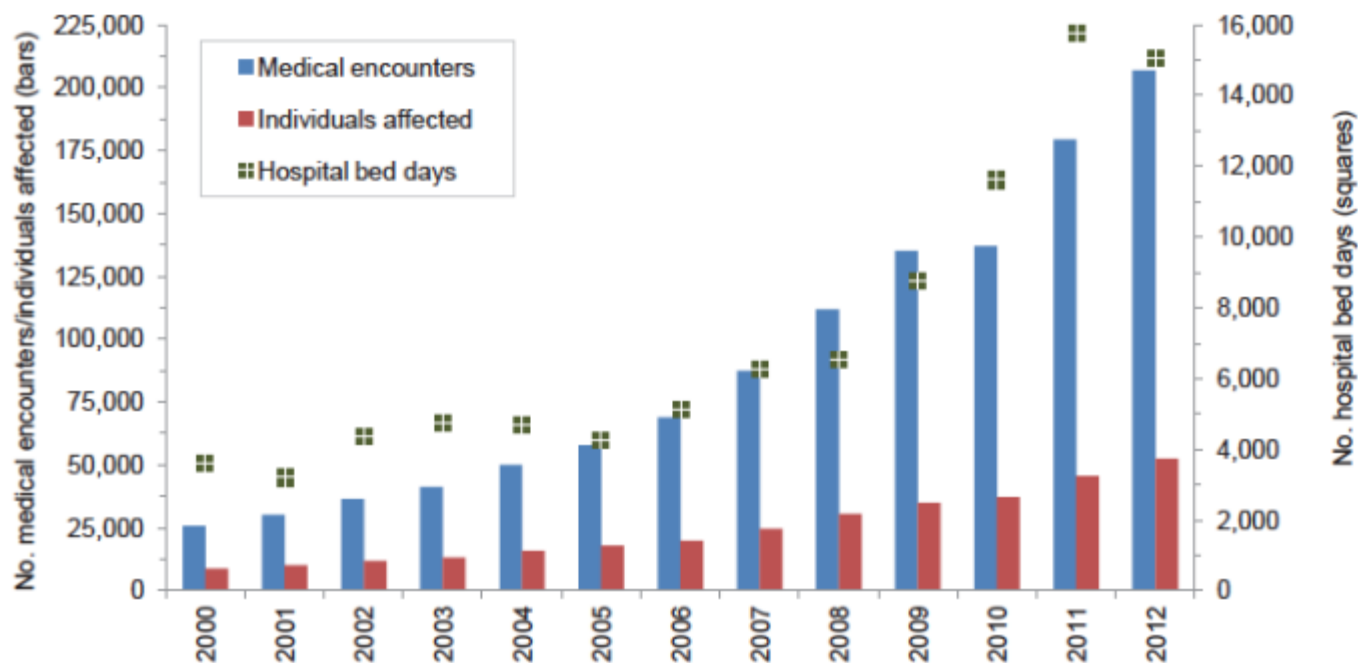
This is an increase of 20 fold (i.e. 1900%) over the last 30 years

<http://health.usnews.com/health-news/health-wellness/articles/2013/10/10/how-to-cope-when-school-anxiety-lingers>

November 2013: Time Magazine reports that the **rate of reported anxiety disorders among U.S. troops jumped 327% between 2000 and 2012.**

<http://swampland.time.com/2013/11/05/anxiety-disorders-on-the-rise-in-the-ranks/>

FIGURE 3. Medical encounters^a for anxiety disorder, number of individuals affected,^b and hospital bed days, active component, U.S. Armed Forces, 2000-2012



^aTotal hospitalizations and ambulatory visits for the condition (with no more than one encounter per individual per day per condition).

^bIndividuals with at least one hospitalization or ambulatory visit for the condition.

September 2007: The number of American children and adolescents treated for bipolar disorder increased 40-fold [that's 3900%!] from 1994 to 2003 according to a study published in the September 2007 issue of The Archives of General Psychiatry.. Bipolar disorder is characterized by extreme mood swings. The senior author of the study, Dr. Mark Olfson of the New York State Psychiatric Institute at the Columbia University Medical Center, said, *"I have been studying trends in mental health services for some time, and this finding really stands out as one of the most striking increases in this short a time."* The increase makes bipolar disorder more common among children than clinical depression, the authors said.

http://www.nytimes.com/2007/09/04/health/04psych.html?_r=1

Severe, disabling mental illness has dramatically increased in the United States. "The tally of those who are so disabled by mental disorders that they qualify for Supplemental Security Income (SSI) or Social Security Disability Insurance (SSDI) increased nearly two and a half times between 1987 and 2007. **For children, the rise is even more startling – a thirty-five-fold [i.e. 3400%!] increase in the same two decades,**" as Marcia Angell summarizes in the New York Times Book Review. In 1998, Martin Seligman, then president of the American Psychological Association, spoke to the National Press Club about an American depression epidemic:

"We discovered two astonishing things about the rate of depression across the century. The first was there is now between 10 and 20 times as much of it [depression] as there was 50 years ago. And the second is that it has become a young person's problem. When I first started working in depression 30 years ago ... the average age of which the first onset of depression occurred was 29.5 ... Now the average age is between 14 and 15."

In 2011, the **U.S. Centers for Disease Control and Prevention (CDC)** reported that **antidepressant use in the United States has increased nearly 400 percent in the last two decades, making antidepressants the most frequently used class of medications by Americans ages 18-44 years.**

In May 2013, **CDC** reported in “**Mental Health Surveillance Among Children—United States, 2005–2011**,” the following: “**A total of 13%–20% of children living in the United States experience a mental disorder in a given year, and surveillance during 1994–2011 has shown the prevalence of these conditions to be increasing.**”

http://www.salon.com/2013/08/26/how_our_society_breeds_anxiety_depression_and_dysfunction_partner/

What has happened in the last 2 decades?

Wireless radiation exposure has increased tremendously since the 1990s. The Telecommunications Act was passed in 1996, which forced local governments to allow the installation of cell towers without regard to health considerations, allowing them to be installed in parks, schools, college campuses, and churches. The TCA has enabled the **number of cell towers to increase from 66,000 in 1998 to 300,000 in 2013, and the number of cell phones more than doubled from 2003 to 2013.**

<http://www.ctia.org/your-wireless-life/how-wireless-works/annual-wireless-industry-survey>

The iPad, which emits higher levels of RF radiation than cell phones, was introduced in 2010. In 2013, LAUSD implemented Wi-Fi throughout all its schools, which led many other school districts across the country to follow suit. Most schools do not have wired internet connections anymore, and have strong, high capacity Wi-Fi systems to allow each student to connect 3 devices to school Wi-Fi simultaneously. Industrial Wi-Fi systems are now 1800 times faster than they were back in 1997 – faster speeds mean more complex signals because more data is transmitted within the same period of time. **The pulsed signals used to transmit the data in wireless transmission overlap the same frequency range as that exhibited by our own brain waves (alpha, beta, delta, gamma, theta), i.e. 100 Hz or less.**

For explanation of mechanism of wireless radiation causing neurological effects:

- **Compromised integrity in the tight junction barriers in our body, which wireless microwave radiation can cause.** “*The opening of our tight junction barriers by electromagnetic fields can account for many modern illnesses, ranging from asthma to multiple allergies and Alzheimer’s disease. We would not expect an immediate effect because the brain has spare capacity, but prolonged or repeated exposure to cell phone or similar radiation would be expected to cause a progressive loss of functional neurons and result in early dementia and Alzheimer’s disease in humans. The extreme sensitivity of the blood-brain barrier to the radiation could mean that even sitting close to someone using a cell phone could affect you too.*” – **Dr. Andrew Goldsworthy**, former advisor to the European Space Agency. Read more about it here

<http://www.cellphonetaskforce.org/wp-content/uploads/2012/04/Biol-Effects-EMFs-2012-NZ2.pdf>

- **Microwave radiation activating VGCCs.** In 2015, **Dr. Martin Pall**, Professor Emeritus of Biochemistry at Washington State University, identified a mechanism where **microwave radiation can activate VGCCs** (voltage gated calcium channels) in brain cells, which **increases intracellular calcium, which can cause neurological diseases by disrupting synapse formation.** **Wireless radiation activating the VGCC and increasing intracellular calcium leads to degradation of proteins in the tight barrier junctions needed to maintain the integrity of the blood-brain barrier, which leads to many neurodegenerative diseases (e.g. Alzheimer’s and dementia).** With enough exposure to increasing intracellular calcium, spines can actually disappear, and end up with neurons that are missing synapses completely, so neurons are not connected to each other anymore. Read more about it here

<http://www.degruyter.com/view/j/reveh.2015.30.issue-2/reveh-2015-0001/reveh-2015-0001.xml>

Scroll down to "Neurotoxic Effects", "Cognition and Impaired Memory", and "Behavioral Issues" to read about the **research showing damage from wireless radiation to the brain**
<http://ehtrust.org/science/research-on-wireless-health-effects/>

Here's a pamphlet by EHT on wireless precautions

http://ehtrust.org/wp-content/uploads/2012/04/Doctors-Advice-Wireless_Apr-08-2016_Blue_4Print.pdf

California Medical Association (CMA), a group of 40,000 physicians in California and a member of the American Medical Association (AMA), issued a resolution (Dec 2014) stating that **FCC standards** are *“inadequate to protect human health” and “peer reviewed research has demonstrated adverse biological effects of wireless EMF including single and double stranded DNA breaks, creation of reactive oxygen species, immune dysfunction, cognitive processing effects, stress protein synthesis in the brain, altered brain development, sleep and memory disturbances, ADHD, abnormal behavior, sperm dysfunction, and brain tumors”*.

<http://www.parentsfor safetechnology.org/california-medical-association-resolution-on-wireless.html>

Proof of neurological damage caused by cell phone radiation can be seen here in this video by Dr. Devra Davis, oncology epidemiologist, former health advisor to the White House and Nobel Prize Winner, where she presents research and pictures of brain and spinal cord damage in mice exposed to cell phone radiation prenatally. <https://www.youtube.com/watch?v=LZicHZaU..>

Babysafeproject.org founded 2014 – an organization of scientists and doctors around the world concerned about wireless radiation affecting fetal brain development. The research of Yale Professor Dr. Hugh Taylor showed prenatal exposure resulted in decreased memory and hyperactivity in offspring. Professor Martha Herbert, MD PhD, a Harvard pediatric neurologist: “RF radiation from Wi-Fi and cell towers can exert a disorganizing effect on the ability to learn and remember, and can also be destabilizing to immune and metabolic function.” Read more about the science and watch their excellent short video here:
<http://www.babysafeproject.org/the-science/>

Dr. Karl Maret, MD, with degrees also in electrical engineering and biomedical engineering, talks about Wi-Fi and EHS (electrohypersensitivity) in children. Wi-Fi has evolved to very high speeds. We are now at 1800 times faster speeds than we were back in 1997 with 1st generation Wi-Fi. (The higher the speed the greater the potential for interference within our bodies) Used a German dosimeter to record levels of Wi-Fi radiation exposures on an EHS child at school and correlates symptoms (headaches) to chart of Wi-Fi signals – when the Wi-Fi levels were high, the student developed headaches. Human brain has 5 million magnetite crystals/gram tissue, and these crystals absorb wireless radiation. (10 minutes) <https://vimeo.com/132039697>

Here's a video by the government of Cyprus telling parents how to protect their children from wireless radiation <https://www.youtube.com/watch?v=H43IKNjT...>

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You received this message because you are subscribed to the Google Groups "emfcontacts" group.
To unsubscribe from this group and stop receiving emails from it, send an email to emfcontacts+unsubscribe@googlegroups.com.

To view this discussion on the web visit

https://groups.google.com/d/msgid/emfcontacts/CAAC%3DT7cE9QjNidBmrf5yWaV3mbHBsu8_3aGJJCjRUMNPBR0Ccw%40mail.gmail.com.

For more options, visit <https://groups.google.com/d/optout>.

Is Induction Cooking Safe?

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Monday, September 5, 2016 11:16 AM
Subject: [emfrefugee] nuwave cooking

Are Nuwave ovens safe?

https://mynuwaveoven.com/?ref_version=GOOGPRO4&gclid=COa0_9vq-M4CFQYPaQodlf8FXA

From: "Jane @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Monday, September 5, 2016 11:44 AM
Subject: Re: [emfrefugee] nuwave cooking

Unfortunately they do not seem to be safe. - Jane

<http://www.magdahavas.com/is-induction-cooking-safe/>

In light of this helpful information from our Swiss friends – stay away from this stove! And warn your friends too!

IS INDUCTION COOKING SAFE?

October 2010: Are you old enough to remember the introduction of microwave ovens? That amazing invention that has revolutionized our way of food preparation using high-frequency radio waves? Well, now we have medium-frequency radio waves for induction cooking. Like microwave ovens, induction stove tops cook rapidly and save energy. They are used in commercial kitchens and they are now being introduced into the home. But are they safe to use?

Watch this video to learn about how they work.

The principle of induction cooking

Beneath each cooking zone of the induction hob there is a coil through which a medium-frequency alternating current (20 – 100 kHz) flows. This creates a strong magnetic field of the same frequency which passes unobstructed through the ceramic cover and penetrates the pan sitting on the cooking zone. The magnetic field creates a circular current in the electrically conductive base of the pan (eddy current). This principle is called induction. The base of the pan is made of a material in which the heat-loss of the eddy current is as high as possible at the frequency being used. This happens in ferromagnetic materials. In these materials the alternating field is forced into the outer layer of the pan base (skin effect), which increases the resistance of the material to the current and produces intense heat. The alternating magnetic field within the base of the pan also repeatedly magnetises and demagnetises the material, and this creates additional heat (hysteresis loss).

The induction coil and the pan standing on the cooking zone form a capacitor. When the induction coil is switched on, the PAN is charged electrically. If the pan is touched by a person, a small current (leakage current) may flow through that person's body. You might not get burned if the temperature is low, but you will absorb the radiation from the magnetic field directly from the pot and pan. Yikes.

Once again, this product has not been tested on humans so we don't know the effect that it will have on our body. The public will be the human test subjects for this new method of cooking. One study could be found and it involved a 2-hour exposure showing it did not damage DNA. Does that make you feel safe? We have no idea what the stray currents will do to our body, let alone the 20 – 100 thousand frequency field effect will have on our food.

The Swiss government decided to do their own tests on this method of cooking and found out that unless you use the product as suggested – it's not going to pass the ICNIRP guidelines! The current standard for induction hobs stipulates that the unit must comply with the reference value recommended by the ICNIRP (International Commission on Non-Ionising Radiation Protection) of 6.25 microtesla (μT) at a distance of 30 cm when one cooking zone is operated with a suitable pan which is large enough and centred on the cooking zone.

However, in everyday use, who places the pans directly over the element? The effect on the stray fields of several cooking elements used at the same time or unsuitable pans being used or the pans not being centered on the cooking zone was therefore also investigated. Smart thinking!

The magnetic fields were measured between 1 cm and 30 cm away from the edge of the glass ceramic cooking field since it is not always possible to keep at least 30 cm away from the hob in practice. This applies particularly to pregnant women, children and people of small stature. In almost all real world circumstances the user would exceed the ICNIRP guidelines! And we all know how high those ICNIRP guidelines are!!!!!!

There is a good explanation of the induction cooking method on the Swiss Federal Office of Public Health. Pay careful attention to the graphs showing ICNIRP and real world use.

In light of this helpful information from our Swiss friends – stay away from this stove! And warn your friends too

Radia Electric Cooktop, which will still naturally give off EMFs but not so bad as the induction cooktops do:

<http://homeguides.sfgate.com/radiant-vs-induction-cooktop-82060.html>

<http://www.cnet.com/news/radiant-heat-cooktops-are-safer/>

EMF Protection in the Home

<http://www.electricsense.com/2593/emfs-in-your-home---my-protection-tips/>

Lloyd said,

Induction cook-tops emit EMFs. When you switch it on an electric current flows through coils under the top plate of the cooker. When the electromagnetic field reacts with the metal pan on the plate the pan heats up. Different hobs work on different frequencies. The biggest problem is usually magnetic fields (you can measure this with a Trifield meter). Gas cookers are a safer alternative.

From: "Peter @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Monday, September 5, 2016 12:56 PM

Subject: Re: [emfrefugee] nuwave cooking

Hello Jane,

You are quite right - Induction Cooking is NOT SAFE - and so is *Microwaving* food in a Microwave Oven!

Please X-ref:

Dr. Leonard Coldwell - Microwave Ovens Kill, Damage and Destroy Food!
Death By Microwave and GMO Foods

TAKE CARE

Kind regards
Peter

From: @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Wednesday, September 7, 2016 3:34 PM
Subject: [emfrefugee] EMF Calming Software?

A few years back there were some downloadable software that claimed to reduce computer EMFs. I haven't needed this since my computer is well shielded (and wireless disabled). However I just did an erase and restore and suddenly my computer is putting out EMFs more than my shielding can take. I have no idea what has caused this, but it has to be software.

Does anyone have recommendations or knowledge about helpful software?

From: "Bruce @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 8:17 AM
Subject: [emfrefugee] Re: EMF Calming Software?

Software which alleges to reduce or mitigate 'bad' EMFs is in the same category with magical pendants and other 'harmonizer', 'scalar wave', 'tachyon', 'quantum' and other pseudo-tech malarkey. This is more magical marketing, and it works by the same mechanisms in humans as magic and other placebos have for the last few thousand years. Software cannot change the EMI from most of the significant sources within your computer. Humans will attribute all kinds of things to the wrong thing...it's just the way we are made. The more we pay, and the more ignorant we are, the more likely we are to believe and promote our erroneous attributions. We can even turn it into a zealous religious position and condemn those non-believer heretics! When you restored your software you have inadvertently reset your wireless functions. You need to disable them, again.

I prefer to take the equipment apart and physically remove or disable wireless hardware features, myself, because of just the sort of software problem you have run into. PITA but ensures that it remains off.

Best Wishes,
Bruce

From: "'AWC" @abuwecommerce.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 12:09 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

That was so well written Bruce. I could not agree more.

I am so sick of hearing about people wasting their money and getting their hopes up over magical pendants and patches only to have their dreams of being able to live a normal life smashed into little pieces when they realise they have been ripped off.....again.

Cheers

Bruce

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 12:09 PM
Subject: [emfrefugee] Re: EMF Calming Software?

Hi Bruce,

Wow!!! I assume you are the same R. Bruce McCreary who wrote the "Appendix F - How to Avoid or Cope with Electromagnetic Sensitivity"? Your paper was given to me by a friend and I just happened to read the first three pages this morning before seeing your post. I am completely impressed and plan to show your work to others who don't believe that people become sensitized to different frequencies, a woman who insists upon using herself as a meter, and a bunch of MCS who believe their condition is purely due to chemicals. I have already made these facts clear to others and hope your paper is enough for them to finally believe me.

A change in software has indeed caused a measurable increase in EMFs on my computer. As a former computer programmer the first thing I did after my erase/restore was to disable the Wi-Fi through the control panel – just as I did after my last erase/restore 4 years ago.

I often check my computer shielding with my Acoustimeter and was quite shocked at the sudden change after the erase/restore. So the software has produced a change causing EMFs strong enough to pop over the top of my shielding. If I open a document in Adobe Reader and scroll down – each scroll movement sends noise to my Acoustimeter.

Long ago I learned for each open Internet browser window the noise on my Acoustimeter increased, so software is a factor.

Since the sudden EMF increase developed from the erase/restore the logical avenue is to find an EMF software calming program in hopes of restoring things to where they were before. The next solution is to extend my computer shielding – this will require me to build a structure, and I am so sick and overwhelmed with other problems that I can't do this right now. (I am living off-grid and the background microwaves have grown so I must relocate ASAP.)

I am reading your paper in hopes of understanding Wye. It was so strange to see your name pop up – even if you're not the same Bruce McCleary! I feel this has to be some kind of message from above so I'll be reading you past posts as I am able!

From: "'AWC' @abuwecommerce.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 2:34 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

Hi Bruce,

I wonder if you, or anyone else, could offer me any insight into an issue that I am having at the moment. I work on computers all day, ironic I know, but that's life.

I can work on a computer all day without any problems, but when I connect to the Internet, I get the usual symptoms of EHS. Headaches, blurred vision, tinnitus etc etc.

I cannot measure any difference whatsoever with any of the multitude of meters that I have when I am connected as opposed to not connected. Not a single bit of difference.

I have a shielded and grounded monitor and sit well back from it. I am using a directional antenna that uses 4G, ironic again, I know. The antenna is seventy meters away from me and hidden behind a mass of buildings. It is connected to my laptop via Ethernet cable that is underground. The laptop is kept in the next room and cables go through the wall. The antenna is connected to a small pre-paid modem that sits inside the shed which is also seventy meters away. This connects to a router which then connects via Ethernet to my laptop.

I cannot measure any difference in RF from the antenna on this side of the shed when the antenna is connected. Readings on my Cornet RF are consistently at 0.0005 regardless of connection or not.

The only thing I can put this down to is a change in data type, or data volume to the monitor, even though I cannot measure any difference. This would make sense if it was true.

But does not make sense in some ways as the data feed to the monitor is UDP regardless of the data feed type to the computer. As I understand it, the data feed to the monitor does not change to TCP or any other type, just because I am connected to the net. And I assume that the screen refresh rate is the same regardless of the type or volume of data going to the computer.

I have tried Blueblocker glasses and also used Flux. These actually do help with the headaches etc, but my eyesight deteriorated rapidly while using these. They also made my work unenjoyable and I started not wanting to work. Not a good situation for someone that is dangling by a thread financially and has no government support. I also tried the clear blue blocker type glasses, and they just gave me a headache. So I ditched them all and am just putting up with the headaches etc.

So I am at wits end to work out what the problem is. I am not a computer guru by the way. I am a coder, but when it comes to computers and hardware etc, I am a complete dummy.

Does anyone have any ideas?

Cheers
Bruce Evans

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 3:56 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

Hi Bruce,

I put EHS friends into two categories – people like me who react more to the microwave frequencies, and people like “S.” who react more to the electromagnetic fields in electricity. My guess is you react more to electricity than microwaves.

S. lives amongst 'smart' meters, and yet when someone downstairs from her living area uses DSL over the telephone line she suffers! So as crazy as your situation sounds you're not alone.

I react to everything, but more to microwaves. I just got DSL and feel nothing from it. Is this because I react more to the microwave spectrum, or because cat-6 was used for wiring? Cat-5 wire is typical, but someone had extra cat-6 and I am told the difference is cat-6 is shielded.

My guess is shielded wiring is in your future.

From: Bruce .com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 5:27 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

I am pretty sure that Cat6 is shielded, but it is just basically tin foil that lines the inside of the cable sheath. I am not sure that this actually makes any difference. I forgot to mention that I actually have shielded Ethernet cable, sorry. I am not sure if this changes things or not.

What you are saying about people reacting to different things is very interesting. I have observed the same phenomena in people myself. We are not all the same. I am guessing this may have something to do with the type of heavy metal toxicity that we have as well as the density and location of the densest concentrations. But I am not an expert on any of this, so it is just a theory of mine.

Maybe people who have heavy metal toxicity that is more of a ferrous type metals, react more to magnetic radiation. Again, I am just throwing a theory out there and have absolutely nothing to back it up.

Personally I react to everything. Magnetic from solar inverters destroy me. RF from phone towers cause blackouts, sometimes at the wheel. Wi-Fi give me headaches, etc, etc, I could go on all day. I have ten separate metals in toxic levels in my body. All of them are components of amalgam fillings. Geez, I wonder where the metals came from???

One strange thing is that I once got the land line phone connected here and it caused me more problems than a mobile phone. I can make quick calls on a mobile phone (Low SAR HTC desire.....awesome phone), but on the land line, I get a sharp pain in my head and later I have a terrible headache. This is similar to when I make a call on an iPhone. Iphones are the worst.

I suspect that the issue comes from the monitor. If there was a way of knowing if there are any changes in the monitor when I am connected to the net that would probably be the best clue. As yet I have not found anything that indicates there is any difference.

Anyway, thanks for your comments.
Cheers

Bruce

From: " @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 7:18 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

Hi Bruce,

I have an Acoustimeter which I mostly use for the sound. The sound picks up all kinds of things my other meters miss, plus I have used it to identify sources. Wi-Fi is “tick tick tick”, “smart” meters are “pfut”, and dirty electricity crackles.

Today a computer geek suggested my computer EMF increase is from the monitor, so you may be on the right track in thinking your problem is monitor-related. Since I have a laptop it’s hard to tell, and I don’t feel like sectioning parts off to figure out for sure. But the change is obvious through the sound of my Acoustimeter.

My increased EMFs (crackles) have something to do with the erase/restore process I just went through so it is software related. I don’t care if it’s coming from the monitor or the CPU; I just want levels back to what they were.

The new crackles went away for a while earlier today. That suggests the problem is something intermittent running in the background. To erase/restore this computer you have to use the Internet (no disks to put the software back) so it downloaded all the original software which included McAfee which I had removed.

McAfee is now first suspect which I will remove as soon as I decide what to replace it with. (I hate AVG, but their free download is easy.) It has been 4 years since I restored the software so there is a possibility some software update is causing the problem, and that makes the list of possibilities endless.

Again, I was hoping to find an EMF calming software that might quickly solve the problem since the problem is due to a change in software.

From: Bruce [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Thursday, September 8, 2016 7:36 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

Hi Bruce,

Very very interesting.

I am going to get myself one of those little Radio Shack am-fm radios and check that out. I will let you know if there is any difference between connected and not connected. Once I can determine that, I can maybe start disabling software to see which one is the culprit.

Cheers mate

Bruce

From: "steve @yahoo.co.uk [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, September 9, 2016 4:31 AM
Subject: [emfrefugee] Re: EMF Calming Software?

Hi,

I can confirm that the software a computer runs on can dramatically change the type and intensity of EMFs produced. Software to turn off parts of the computer when not in use (e.g., the sound card) could help reduce EMFs.

As already stated the types of signals travelling to the monitor, can change depending on the software being run by the GPU. So for example in Linux, the EMF effect of different x-servers (graphical interfaces) can be quite different. Several years ago I built a Linux distribution bottom up, to take away as much of the software created negative EMF as possible for me.

As stated before, probably the best tool for diagnosis is an am radio (or esmog spion). I have rolled back software updates on many occasions as it has caused undesirable GPU pulsing effects.

Cheers,
Steve

From: "Bruce @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, September 9, 2016 9:48 AM
Subject: [emfrefugee] Re: EMF Calming Software?

Thanks Bruce for the kind words. ES/EHS is such a horrible disability that those who are preying on the disabled with voodoo products really tick me off.

Chocolatechip – Yes, I'm the author of that article. It was written long before the cellular revolution, thus the absence of info on wireless, WIFI, etc. It was written for someone's (good) book on MCS/ES but the author was hoping for something more along the lines of a wheat free cookie recipe. Alas, it's just not possible for me to reduce an entire field of electrical engineering (EMC) to something that simple and comprehensible. EMC is a complex and challenging field even for electrical engineers.

I am very reactive to radio/microwaves and for the last 8 years have been living in a very rural off grid home which I designed and built myself with my own design 120 volts DC photovoltaic/battery power system. It was designed to be the lowest EMF living situation possible. The background magnetic field levels at the site are below 0.0001 (100 nano-gauss). The home has recently been measured at -60dB of shielding at 2.4GHz using a modified 1000 watt microwave oven as a vertically polarized feed horn source. The ambient peak 3g/4g wireless levels are presently (2016) -63 dBm at the homesite (in a hollow), so in the house will be something less than -124dBm. I have done this because it is the only way I can sleep and remain functional enough to continue to live independently and keep my MS and complex partial seizures (and other autoimmune problems) in check. It was 7 years of hell to build this place, and I had serious health issues in the process, including two surgeries and a year of being bed bound due to liver failure from and adverse drug reaction. I no longer tolerate the low doses of anticonvulsant which used to keep me coherent and functional for short exposures to cellular, WIFI, and fluorescent lights, so my world is much, much smaller now.

It's very hard to know what's really going on with your latest software restore based only your Acousticom broad band meter. Since you are going on the audio alone, and not measured values, we can only try to make intelligent guesses. Most of the big sources in the computer are NOT being changed by your software update. It is MORE likely that you have inadvertently affected some wireless or other features which you are not aware of. It is possible that increased CPU activity (which is affected by software tasks) is something you are sensitized to, even though it is a relatively tiny change in emissions in the GHz range. On many laptops, you can set parameters regarding CPU usage, which will affect speed and power consumption. The video chip is also a significant contributor in power usage and emissions, and this could also be affected by some changed system parameter or software. If you research your video/graphics processor and the system parameters associated with it, you may find something useful there.

One thing you may need to consider for the immediate situation would be to cherry pick a new computer that bothers you less. I'd look for well shielded, low power, low performance computers. Your personal toleration trumps all other issues. I have used a FitPC2 as my remote computer in the past, and now use a Dell laptop (I5, G4000 video chip) as my remote computer. I don't have any stock commercial electronics inside my home.

My suggested long term solution is that you get your computer and internet connection well away from your workstation, preferably in a separate outbuilding. KVM extenders are common now; though you have to be careful about cables and shielding. You will need to isolate your remote computer power and phone lines by using high performance filters, and isolation transformers so that balanced power is provided to the filters (to avoid creating additional ground current from the filter's capacitance to ground). You must also think about protecting unfiltered wiring from the radiated emissions of the computer and modem. It is a huge help to be completely isolated from the computer... it becomes a non-issue in terms of tolerability so can be updated at any time. I use a shielded projector, rear projection system for a display as I found high levels shielding of a direct view display was not practical to the level I needed to be able to tolerate them. The large see through opening limits shielding performance too much.

The whole computer access issue is huge for those of us who can no longer use a "cherry picked" laptop or other system without serious and prolonged illness. It has been a huge development effort for me to even get a keyboard and trackball I could sit near. If you hold a Radio Shack 12-467 radio near a keyboard, then hit some keys, you'll begin to understand the problem of active matrix keyboards, and mice/trackballs with unshielded processors and long cables. I have not been able to find a business or disability agency to make my work available to others, though I am glad to share it freely. It is much easier and more profitable to sell voodoo products; the only development needed is marketing hype.

Best Wishes,
Bruce

From: "Bruce @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, September 9, 2016 11:01 AM
Subject: [emfrefugee] Re: EMF Calming Software?

Regarding Bruce E's Internet EMF issue.

Broadband meters are useful, but not very for your situation re: internet emf issues. You would need a very good spectrum analyzer to find you issue.

The problem is that the signal that is bothering you could be 60dB below your local broadband peak, or even less, due to the frequency specific sensitivity that is common.

I would first suspect the shielding of your Ethernet cable. If you show me pictures of your setup I can comment further. Your simplest solution is to use bare (no power backbone) multimode glass fiber for this. Media converters are available. For wired cables I like buried, grounded IMC conduit. Shielded CAT6 cable is a bad joke; the shield radiates.

If I understand correctly you are using a directional antenna. That's good. But I have a warning- some of the new broadband log periodic directional antennas aren't very directional, the side lobe radiation of one I got and tested was pretty bad compared to a conventional Yagi. Also, be aware that Yagi types all have a significant radiation lobe off of the rear of the antenna, so you want to be on the side, not on the rear.

Flat panel (slit) type antennas are a good choice when minimizing the rear lobe is needed. That's what I use on my own 3G setup, but then my workstation is inside a -60dB (whole house) shield room. I also wonder what the buildings are between you and your antenna – are they metal? Wood or masonry aren't worth much for shielding.

One thing worth trying – connect your Ethernet cable to something else (another computer?) and try sending a bunch of data. If that is OK, you've ruled out the Ethernet hardware in your computer and the nearby, mostly unshielded Ethernet cable.

DSL modems are often horrible – they are driving the phone lines so hard that they generate a lot of EMI on the typically unshielded power lines in the home. The only solution is to treat them like kryptonite – put them away from the living spaces or preferably in an outbuilding in a shielded enclosure, use military grade power filter, and filter the home voice lines with a military grade filter, extend the Ethernet to the computer via fiber.

Best Wishes,
Bruce

From: "Gretchen @yahoo.com [emfrefugee]" <emfrefugee@yahoogroups.com>
To: "emfrefugee@yahoogroups.com" <emfrefugee@yahoogroups.com>
Sent: Friday, September 9, 2016 9:12 PM
Subject: Re: [emfrefugee] Re: EMF Calming Software?

Have any of you read how they will eventually utilize the constituents in chem trails to Wi-Fi the sky? Geoengineeringwatch.org Governments should make it mandatory that before anyone can do such things, that we the people get to say, yah, or nah. To provide we the people, with true scientific data, non bias, as to the effects on human life, plant life, water sources, and the animal kingdoms. Also on how this all will effect Earth as we know it. Our true eco system that sustains, non-genetically engineered organisms. As God intended. Karma will be a bitch for the evil and the greedy.

We all need to do our part. Instead of just complain. Deal only with companies whose products don't hurt the earth and life itself.

But nobody does that!
Awaken all humans.....

From: bruce [emfrefugee]" <emfrefugee@yahoogroups.com>
To: emfrefugee@yahoogroups.com
Sent: Friday, September 16, 2016 2:31 PM
Subject: RE: [emfrefugee] Re: EMF Calming Software?

Thank you very much to everyone that has replied to this post. I am a bit overwhelmed with work at the moment and have had to focus on getting some money in the bank. So I have not yet had the time to test all of the suggestions made. This really has been an eye opener and I really appreciate the feedback. I have saved all of the responses in a folder and will be working my way through them testing the recommendations out.

I have ordered one of those cheapy Radio Shack AM/FM radios in the hope that I can quantify all of the things that I am testing. At the moment I have no way of telling if something is working or not apart from my symptoms. Hopefully the radio will give me an audio of the EMF. None of my meters can pick up any difference whatsoever, and I have everything from the lowest to the highest GHZ range. Maybe I should have spent \$10 on the radio, rather than thousands on the meters.

Special thanks to Bruce. I will be working my way through your suggestions and posting the results on here for everyone.

Again, thank you very much everyone.
Cheers

Bruce Evans
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Health Implications of Long-term Exposure to Electrosmog

From: Kompetenzinitiative e.V. <Sekretariat@kompetenzinitiative.net>
To: garyvesperman@yahoo.com
Sent: Friday, September 9, 2016 1:10 AM
Subject: Mobilfunk-Diskussion: EUROPAEM EMF Guideline 2016

(Excerpt:)

Physicians are increasingly confronted with health problems from unidentified causes. Studies, empirical observations, and patient reports clearly indicate interactions between EMF exposure and health problems ...

MEDICINE

Health Implications of Long-term Exposure to Electrosmog

Karl Hecht's review of the Russian research is published now in English translation: Health Implications of Longterm Exposure to Electrosmog (German edition 2012).

(Excerpt:)

The review findings by Karl Hecht – which disappeared into the government archives as soon as they had been submitted and which we are now making available to the public in this brochure in its most comprehensive form to date – are based on the assessment of 878 Russian studies between 1960 and 1997 ... >>>

About Karl Hecht's brochure

“The information provided in this brochure makes clear that short-term studies cannot answer any questions regarding long-term risks. The current exposure limits, which we mostly owe to the physics way of thinking, are a scientific anachronism. Furthermore, by using the concrete example of a research review, it is shown how the authorities have ignored and continue to ignore that which is important for public health and a sustainable future, but would be contrary to economic interests.” (from the Summary)

"It is astonishing to see that the proponents of thermal effects of electromagnetic fields have learned nothing new over the last 40 years. The incorrect concept affects European and US exposure limits, which cannot claim to provide protection. It affects research projects that only conduct short-term studies. It affects policies that claim safety where a warning would be in order. And it also affects the administration of justice when incorrect judgments are passed – which the court is forced to do within the currently valid legal framework." (from Chapter 5)

The English translation of Karl Hecht's 64 pages long brochure is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/KI_Brochure-6_K_Hecht_web.pdf

"EUROPAEM EMF Guideline 2016 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses" is linked at <http://www.stralskyddsstiftelsen.se/wp-content/uploads/2016/07/EUROPAEM-EMF-Guideline-2016-for-the-prevention-diagnosis-and-treatment-of-EMF-related-health-problems-and-illnesses.pdf>

European Union's "COUNCIL RECOMMENDATION of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)" is linked at <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:1999:199:0059:0070:EN:PDF>

Spanish report on electrosensitivity is linked at <http://www.lavanguardia.com/vida/20160802/403624742652/electrohipersensibilidad-sindrome-neurologico-prestacion-por-incapacidad.html>.

French report on dangers of radio frequencies is linked at http://www.lemonde.fr/sante/article/2016/07/08/alerte-sur-les-dangers-des-radiofrequences-pour-les-enfants_4965884_1651302.html?xtmc=portables_enfants&xtcr=1.

German report on electrosmog is linked at <http://www.strahlentelex.de/aktuell.htm>.

"Thank You for Calling in Deutschland" is linked at <http://kompetenzinitiative.net/KIT/KIT/thank-you-for-calling-in-deutschland/>.

German report from Austria is linked at <https://www.aktion21-austria.at/content/liebe-mitglieder-und-sympathisanten>

Actions of the European Commission regarding electromagnetic health effects and recommendations are linked at http://ec.europa.eu/health/electromagnetic_fields/eu_actions/index_en.htm

The following is linked at <http://kompetenzinitiative.net/KIT/KIT/english-brochures/>:

In December 2007, the Competence Initiative for the Protection of Humanity, Environment and Democracy has started its brochure series Effects of Wireless Communication Technologies. First translations of the brochures of the above-mentioned series are also available online.

Based on a broad scientific body, the publications confirm the conclusion the BioInitiative Report (www.bioinitiative.org) came to in 2012: Overloading the biophysical organization of life with zillions of artificially generated electromagnetic fields is one of the most dangerous aberrations of our time. For the sake of shortsighted economic interests and outdated technological solutions, the democratic constitutional state affords a technical and economic policy that can neither be reconciled with its responsibility for precaution nor with the currently valid fundamental and protective rights of its citizens.

With our print and online publications, we strive not only to show what risks and health impacts are known to independent researchers. We also would like to draw your attention to the social consequences when the truth and humans are treated with disregard.

The Series is published by

Prof. Dr. rer. nat. Klaus Buchner, Bernd Irmfrid Budzinski, Dr. med. Horst Eger, Dr. med. Markus Kern, Prof. Dr. phil. Karl Richter, Dr. rer. nat. Ulrich Warnke

Karl Hecht's brochure is already linked above.

Bees, Birds and Mankind – Destroying Nature by ‘Electrosmog’

Bees, Birds and Mankind

Destroying Nature by ‘Electrosmog’

Ulrich Warnke

The bio-scientist Ulrich Warnke is more familiar with nature's electromagnetic housekeeping than most. In this paper, he shows how wise and sensitive nature was about using electrical and magnetic fields in the creation of life [...]

Warnke's 47 pages long brochure is linked at

http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_beesbirdsandmankind_screen.pdf

How Susceptible Are Genes to Mobile Phone Radiation?

How Susceptible Are Genes to Mobile Phone Radiation?

State of the Research – Endorsements of Safety and Controversies – Self-Help Recommendations

With Articles by Franz Adlkofer, Igor Y. Belyaev, Karl Richter, Vladislav M. Shiroff

Since wireless technologies of mobile phones and other communication networks have become big business, we also find conflicting tendencies side by side. Our living environment is being swamped with electromagnetic fields that raise intensity levels and show a wide range of novel characteristics [...]

This 64 pages long brochure is linked at
http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_howsusceptiblearegenes_screen.pdf

Radiation Protection in Conflict with Science

Radiation Protection in Conflict with Science

A Documentation

Franz Adlkofer and Karl Richter

The German Council of Science and Humanities Report on the Federal Office for Radiation Protection (BfS) from 2006 states that the appointment policy of this agency contradicts its founding mandate as the majority of the staff is composed of officials and employees without sufficient scientific background. It seems obvious that this lack of professional competence poses risks to the protection of public health [...]

This brochure is linked at
http://competence-initiative.net/KIT/wp-content/uploads/2014/09/broschuerenreihe_heft-5_eng_screen.pdf

The 64 pages long brochure is divided into five parts which are titled as follows:

- Part I: A Campaign to destroy scientific findings
- Part II: Scientific flaws in the German Telecommunication Research Programm
- Part III: Deceiving politicians and the public with wrong advice
- Part IV: The questionable treatment of citizens and their rights
- Outlook and concluding questions

Pandora Foundation

The following is linked at <http://www.pandora-foundation.eu/>.

Pandora Foundation

WELCOME

A public that assumes that laws and regulations in the area of environmental and health policies are in line with the current state of scientific knowledge is wrong. History teaches that, whenever economic interests are stake, it can take decades until scientific findings are acknowledged by politics and industry. Quite often the support of pseudo-research and the impediment of independent research both try to keep up the profitable status quo. Funds are granted preferably to compliant scientists with the right opinion, while independent scientists are slandered. It is the practice of institutional corruption that keeps the profits bubbling.

The Pandora Foundation works towards securing that the protection of men and nature is granted priority over the economic interests of politics and industry. For this the primacy of political and industrial institutions over scientific research has to be challenged. To reach the goal our Foundation seeks donations from citizens in Europe, who are no longer willing to accept the misuse of political or financial power. The donations will be used to support independent scientists for whom a search for the truth is more important than striving for immediate success and credits.

Cases of obvious power misuse, which prove that independent research is necessary, will be documented. One example is the current handling of mobile phone radiation by politics and industry.

Dear fellow citizens, with your donation – forwarded to research without deduction – you can contribute to better inform the public about the risks of mobile phone radiation. For economic reasons and contrary to the state of knowledge these risks are strongly played down by politics and industry. In order to finally force politics to act independent science must continuously point to the risk of the people with novel research results. Yet, we can only succeed when we find sponsors, who out of social responsibility are ready to donate where politics and industry in an irresponsible manner refuse to do so.

The following report is linked at

<http://www.pandora-foundation.eu/archive/2016/report-from-the-science-and-wireless-2015.html>

Report from the Science and Wireless 2015

19.02.2106

Professor Dariusz Leszczynski, with the support from the Pandora Foundation and the Kompetenzinitiative, took part in the BioEM2015 in Asilomar, California, USA, and in the Science and Wireless 2015 in Melbourne, Australia. In his report from the BioEM2015 he criticizes mainly the lack of research with humans, which is imperative to find evidence of health risks from radiofrequency radiation, and the inability of science to find common ground when discussing controversial issues. The message from Australia goes far beyond this criticism. There they try to exclude critical science from the discussion. This is the message:

Nearly all scientific organizations dealing with radiation protection of the people, be it the set-up of safety standards or as government advisers worldwide, are under the control of the industry relying on scientists, who enjoy its special favor.

The priority goal of these scientists acting on behalf of the industry is obviously the correction of the decision by IARC, the agency for cancer research of the WHO, which in 2011 classified radiofrequency radiation as being “possibly cancerogenic”.

To pretend the validity of the current safety standards which are solely based on thermal effects they attempt to demonstrate with a fancifully, but unsubstantial hypothesis that the truly non-thermal effects of radiofrequency radiation on the EEG may in fact be a thermal one, because non-thermal effects do according to the safety standards not exist at all.

Ignoring the results of independent research, which clearly point to health risks from radiofrequency radiation, they insolently demand to stop research on radiofrequency radiation, because according to their view all research efforts until now did not get us any further despite the high costs.

Who in this situation still believes his health lies in good hands with the national radiation protection is probably beyond help. The full report is linked at

http://www.pandora-foundation.eu/downloads/pandora_dl_science-wireless-2015_eng.pdf

The following report in its entirety is linked at

<http://www.pandora-foundation.eu/archive/2015/report-from-the-bioem2015.html>

Report from the BioEM2015

15.12.2015

Just as last year, Professor Dariusz Leszczynski attended the annual BioEM meeting with support from the Pandora Foundation and the Competence Initiative. Leszczynski is among the researchers who have acquired international respect for scientific work on molecular biological effects of radiofrequency electromagnetic fields. But what distinguishes him the most is that he has placed ethics and morality above his career path. In his report on the BioEM2015, Leszczynski offers an insight into the current status of research. He demonstrates that a reliable judgement is still not possible on the potential risks of radiofrequency radiation on human health; he names the research approach that could achieve decisive progress, and criticizes the numerous wrong tracks that pretend to increase our knowledge of this subject.

The full report is linked at http://www.pandora-foundation.eu/downloads/bioem2015_report-_dl.pdf

1) Leszczynski's topics of interest:

a) Citing the IARC decision classifying radiofrequency radiation as “possibly carcinogenic”, Leszczynski comes to the conclusion that measures following the precautionary principle and aiming to reduce human radiation exposure are indeed justified. Yet, he fears that these measures will not be implemented as long as they are not obligatory.

b) Leszczynski is convinced all studies performed thus far on electrohypersensitivity, which are quoted as proof against electromagnetic fields causing health disorders, are unsuitable in their approach to justify such conclusions. For him, the biggest obstacle to progress is the attitude of the scientists who obviously lack ideas for new research approaches.

c) Leszczynski also doubts the validity of epidemiological and human studies that measure mobile phone user's EMF exposure in minutes/day. Because of the very different radiation exposures that can be achieved in the same time period, this approach reduces the health risk of highly exposed persons— possibly even below the limit of detectability.

d) Despite Leszczynski's distinct criticism of a number of the presentations, attending the BioEM conferences can be beneficial. One example he cited was the excellent presentation by Raymond Neutra on the understanding of the mechanisms of EMF-effects with the title “A typology of EMF physical induction mechanisms”.

2) Leszczynski feels that the BioEM conferences do not live up to their claim to be the annual top event for scientists working in the area. As he does not mention the reasons why, I would like to add:

a) In his contribution “Increasing Bias towards False Negative Replications?” in Bioelectromagnetics dated 18/01/2011, the former BEMS President Niels Kuster complains about the increasing culture of partisanship in science (biased scientific culture) at the BEMS. On another occasion he quite openly calls BEMS the society of negative results.

b) How right Kuster is has been demonstrated by the response of the audience at the BEMS2003 Conference in Maui, Hawaii, where the REFLEX-Consortium funded by the European Union – with Leszczynski and me as members – presented data on genotoxic effects of ELF- and RF-EMF. This presentation ended up in chaos amid great laughter by the audience, although the findings have since been replicated by other researchers.

c) As long as debates aim at avoiding defending the principles of science against industry complaisant ideas, they are without merit. That has been shown at the plenary sessions on the topics Precautionary Principle and Electrohypersensitivity at BioEM2015. They lost their meaning, as in the subsequent discussion no one tried to examine the contrary opinions in regard of their scientific value.

d) Leszczynski's justified wish that the authors of important epidemiological and animal studies present their results at the BioEM conferences for discussion and when possible, in the presence of representatives from ICNIRP, WHO, BioInitiative, etc. – although most welcome – will never come true. From the beginning it has been clear that the contrary opinions of the conference attendees on science, based on their different natures, cannot be overcome.

3) At the end, Leszczynski criticizes that at BioEM2015 a great number of bioelectromagnetic topics have been dealt with, but presentations on the biological effects of EMF directly on humans have been very few. It is his opinion, however, that it is nearly impossible without such investigations on human subjects to prove that EMF can cause physiological changes relevant for pathogenesis. Based on his professional experience, he suspects that research projects of this kind are undermined by the decision makers in policy and industry out of fear of the consequences. That his suspicion is correct may be exemplified by the following almost unbelievable incident.

After the EU-funded REFLEX Study which I coordinated ended in mid-2004, I prepared a REFLEX follow-up study together with another research consortium including Leszczynski's team, With the title "Potential health effects of mobile phone radiation in childhood and adolescence" (Acronym: MOPHORAD) it corresponds exactly with the topic Leszczynski missed so much at BioEM2015. On February 25, 2008, I submitted the grant application to the EU. On May 28, 2008, I received the result of the evaluation. With an excellent score of 12.5 out of a possible 15 funding was recommended. However, half a year later, on December 9, 2008, I was given notice from the Commission that MOPHORAD would not be funded.

What happened in the six months between evaluation and decision? Professor Alexander Lerchl from the private Jacobs University in Bremen, who worked for years in the interest of the mobile communication industry, obviously applied the emergency brakes to MOPHORAD. He did this by inventing the story that the results of the REFLEX Study, on which the new grant application was based, were obtained by data fabrication. With this smear campaign he indeed succeeded to prevent the funding of the highly evaluated MOPHORAD-Study. In recognition of his services, Lerchl was subsequently rewarded by the Government, which appointed him a member of the German Commission for Radiological Protection. This rapid rise in his career was followed seven years later by a similarly sudden fall. In spring 2015 he was sentenced by the Hamburg District Court because of defamation in connection with the REFLEX Study. However, he has not been punished for his real crime, the prevention of the MOPHORAD-Study.

Lectures from the Competence Initiative meeting September 2014

Lectures from the Competence Initiative meeting
September 2014

Three lectures at the Competence Initiative's meeting in April 2014 in Wuerzburg, Germany, provide evidence that the current protection of people from electromagnetic radiation is absolutely inadequate.

Lennart Hardell presents his most recent epidemiological data which allow the conclusion that the risk of brain tumors in long-term users of mobile and cordless phones is significantly increased. His full report is linked at http://www.pandora-foundation.eu/downloads/pandora_-_ki-lecture-hardell-2014.pdf.

Michael Kundi explains why the health risk of children regularly using mobile phones in childhood and adolescence may be further increased due to their special anatomical and physiological properties. Kundi's full report is linked at http://www.pandora-foundation.eu/downloads/pandora_-_ki-lecture-kundi-2014.pdf.

In his historical review Franz Adlkofer illustrates how during the past sixty years the protection of people from electromagnetic radiation by their governments was essentially determined by political and economic interests. Adlkofer's full report is linked at http://www.pandora-foundation.eu/downloads/pandora_-_ki-lecture-adlkofer-2014.pdf.

Wi-Fi Adversely Affects Our Health

Wi-Fi adversely affects our Health

With the Freiburg Appeal, we- the undersigned physicians- went public for the first time in 2002. Based on our observations and experience as physicians, we strongly oppose the worldwide use of wireless communication technologies—irrespective of whether the applied electromagnetic fields are pulsed or not.

Over these last years, we have seen a rapid increase in the use of wireless Internet networks (WLAN or Wi-Fi) and we are very concerned about this development. These wireless hot spots can be found in many private homes, public buildings (e.g. schools, libraries, hospitals, hotels, airports, train stations), at Internet cafés, and in public places of big cities. International passenger trains are equipped with Wi-Fi. Companies can allow other companies or home offices to connect to their network. The full report is linked at <http://competence-initiative.net/KIT/wp-content/uploads/2014/09/wifi-warning-febr.-2013.pdf>.

Electromagnetic Hypersensitivity and Human Rights

Electromagnetic Hypersensitivity & Human Rights

Commentary to the European Economic and Social Committee by Isaac Jamieson PhD DIC RIBA ARB
DipAAS BSc(Hons) Arch MinstP

This document is endorsed by: the Bio-Electromagnetic Research Initiative (BEMRI); the CAVI Society; the EM-Radiation Research Trust; Mast-Victims.org; the Physicians' Health Initiative for Radiation and Environment (PHIRE); Robin des Toits; the Safe Schools Information Technology Alliance (SSITA); and Verein für Elektrosensible und Mobilfunkgeschädigte.

The following is brief commentary on Human Rights, as related to electromagnetic hypersensitivity (EHS) and other conditions that may be affected as a result of exposure to manmade electromagnetic fields (EMFs). In this present work, relevant sections of the convention are indicated in the text below and their implications discussed.

It is intended that this commentary will be of benefit to policy makers, industry and members of the general public. The full report is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2015/01/IAJ_EHS__Human_Rights_0141204.pdf.

Expert Conference on Cell Phones and Health: Science and Public Policy Questions

Expert Conference on Cell Phones and Health: Science and Public Policy Questions

Report on a U.S. Senate Hearing in Washington D.C. on September 14, 2009
By Franz Adlkofer

The U.S. Senate hearing on potential health effects from cell phone radiation for humans was suggested by Devra Davis, a professor at Pittsburgh University. It was to bring to the attention of the Senate the imbalance between the health-relevant interests of the public and the economic interests of the communications industry.

In her bestseller *The Secret History of the War on Cancer*, Devra Davis did convincingly describe how during the last hundred years national and international companies, usually with open or hidden support from politics, succeeded in many areas to push through their free-enterprise ideas at the costs of the public by distorting the respective developments in scientific research. In that way, millions of people worldwide did experience harm to life and limb. The Senate hearing was to prevent that this happens again in the area of cell phone communication. The full report is linked at

http://competence-initiative.net/KIT/wp-content/uploads/2014/09/Adlkofer_Washington-Hearing_en.pdf

Annual Meeting of BEMS & EBEA held in Ghent, Belgium on June 5 - 10, 2016

Dariusz Leszczynski reports for the Pandora Foundation and Competence Initiative from the BioEM 2016 in Ghent, Belgium on June 5-10, 2016.

(Excerpt:)

Only several topics presented at the BioEM 2016 are presented and discussed in this report ... Hot topic: the NTP study. The most anticipated event ... was the last moment addition of the presentation of the US NIEHS National Toxicology Program study on effects of cellphone radiation in rats and mice. The full report is linked at http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/BIOEM2016_Report-_DL_engl.pdf.

Burnout Syndrome Epidemic in Germany

The following abstract is linked at

http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/08/EHS_NuR_July_2016_Abstract.pdf.

The full report, in German, is linked at

http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/08/Budzinski_Hecht_NuR_Juli_2016.pdf

Abstract

The press, as well as radio and television have been reporting of a wave of sickness that sweeps through Germany. Millions of people complain of all kinds of nervous disorders and of a new common illness, called "burnout syndrome". Even though the term "epidemics" is used, there is no due search for the causes. Instead, these symptoms are attributed to "stress" and "imagination". The extent of these health complaints, however, which according to a survey in 2014 affected 82% of the population, defies such an explanation and points to a genuine cause.

Particularly the "burnout syndrome epidemic" with people having to take early retirement, as well as the huge number of depressions, sleep disorders and headaches (even among children) call for a systematic investigation. In doing so, all environmental factors need to be examined, in particular new technologies. The biggest change to the environment in recent decades has been the now ubiquitous radiofrequency radiation of mobile telephony. It penetrates everywhere 24 hours a day and reaches everybody.

Therefore, it needs to be included. All the more, since there is sufficient scientific evidence to suggest that constant non-ionizing radiation is generally able to affect the central nervous system, as well. The epidemic-like spread of nervous symptoms has occurred at the same time as the roll-out of mobile telephony. Consequently, this could be largely interpreted as an indication of an electrosensitive irritation (Please also see Budzinski/Kühling, "White zones", free from mobile phone coverage – unrealistic or required by law? NvwZ 2014, 1410/1411 – also available in English and French)..

For this reason, the "fact sheet no. 296" of the WHO of 2005 is obviously out of date. It denies any such "genuine" effect of radiofrequency radiation below the legal limits and therefore consigns countless people to psychiatric care. In the case of further inaction on the part of public health bodies, environmental associations consequently need to plan legal action against the government, demanding precautionary regulations and protective measures.

1998 ICNIRP Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic fields (up to 300 GHz)

INTERNATIONAL COMMISSION ON NON-IONIZING RADIATION PROTECTION (ICNIRP)
PUBLICATION

1998 ICNIRP GUIDELINES FOR LIMITING EXPOSURE TO TIME-VARYING ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS (UP TO 300 GHZ)

This 34 pages long brochure is linked at <http://www.icnirp.org/cms/upload/publications/ICNIRPemfgdl.pdf>.

Shielding Cars

From: " @gmail.com [emfrefugee]" <emfrefugee@yahoogroups.com>

To: emfrefugee@yahoogroups.com

Sent: Friday, September 9, 2016 1:31 PM

Subject: [emfrefugee] Re: Shielding Cars

Steve - I found your old post about shielding of cars for microwaves and wondered what measured degree of shielding effectiveness in dB you were able to achieve and was hoping for a brief summary of measures taken (suitable for someone intimately familiar with shielding).

Your practical experience with this would be of great value to me; I've been reluctant to pursue it due to expense and effort and no practical data on effectiveness of such a leaky, crack filled shield enclosure.

Thanks!

Bruce

EMF-Omega-News 10. September 2016

From: "BI-CI Omega star.mail@online.de [emfrefugee]" <emfrefugee@yahoogroups.com>

To:

Sent: Friday, September 9, 2016 11:54 PM

Subject: [emfrefugee] EMF-Omega-News 10. September 2016

Dear Sir, Madam, Ladies and gentlemen, dear friends,

For your information.

Best regards,
Klaus
Citizens' Initiative Omega

Sometimes the links are missing. You can always find them here: <http://www.buergerwelle.de/en/>
<http://www.buergerwelle.de/en/news/newsletter/>
<http://www.mastsanity.org/health-52.html>
<http://electromagnetichealth.org/category/electromagnetic-health-blog/>

New evidence about mobile phones and brain cancer
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7563/>

One reason why mobile phones can increase cancer risk
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7558/>

Cell phone radiation linked to more than brain cancer
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7567/>

New review study finds increased evidence that cellphone radiation damages sperm
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7568/>

French draft report on EHS: nocebo effect is not the cause of the first symptoms experienced by EHS subjects
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7564/>

Mother seeking help vs Wi-Fi in schools
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7562/>

Juhi Chawla opposes Maharashtra CM's Wi-Fi plans
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7565/>

Phone mast plan is refused after an appeal
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7556/>

Fears over Coal Aston phone mast plans
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7560/>

'Eyesore' mobile phone mast proposals would harm beauty spots, say critics
<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7561/>

News from Mast Sanity
<http://tinyurl.com/2vhcbl6>
<http://tinyurl.com/aotw3>

Our links:

<http://tinyurl.com/yjpu7wg>
<http://tinyurl.com/93epp>

<http://tinyurl.com/9w2sx>
<http://tinyurl.com/aotw3>
<http://tinyurl.com/oya9t>
<http://tinyurl.com/jyemw>
<http://groups.yahoo.com/group/EMR-EMF/>
<http://groups.yahoo.com/group/emf-omega-news/>

Note: Editor and responsible for the content: Citizens' Initiative Omega. Our messages are the result of many hours of daily research, roundup and editing.

If you have information which you would like to share with your friends and colleges around the world and which are from common interest, please send us this information, we will send them out.

Disclaimer:

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We are not responsible for any errors or omissions and disclaims any liability incurred as a consequence of any of the contents of this resources.

Cell Phone Radiation Linked To More Than Brain Cancer

Wednesday Sept 7, 2016 (foodconsumer.org) -- Many users of cell phones (or mobile phones as called by Europeans) might have known that exposure to cell phone radiation for a long term can increase risk of brain cancer called glioma, an aggressive brain tumor that gives patients one to three years to live after diagnosis.

Exposure to cell phone radiation actually also cause many other diseases and health conditions including blood-brain barrier hearing nerve tumors (acoustic neuroma), salivary gland tumors, thyroid cancer, melanoma, stem cell cancer, parotid malignant tumors, lymph node cancer, eye tumors, leukemia, breast cancer, sperm damage and testicular cancer among others.

Radio frequency electromagnetic radiation emitted from devices like cell phones was recognized in 2011 by World Health Organization's International Agency for Research on Cancer (IARC) as a Group 2B possible human carcinogen. This classification was based on studies of risk of brain cancer and hearing nerve tumor from cellphone RFR radiation. In 2001, this agency also classified electricity's magnetic fields (ELF MF) as a Group 2B (possible human carcinogen) based on the studies linking exposure to ELF MF to elevated risk of leukemia and brain tumors.

L. Lloyd Morgan, Sr. Research Fellow at Environmental Health Trust has recently summarized the studies that associated exposure to cell phone radiation to various diseases including brain cancers and many other diseases. Also a report published on the Truth About Cancer website claims many associations between cell phone use and many diseases.

Those who want to reduce exposure to cell phone radiation may consider the following:

- 1) Do not use cell phones whenever possible.
- 2) If you have to use a cell phone, use a Samsung smart phone, which emits much lower radiation than many other brands like iPhone and Motorola.

- 3) Avoid using cell phones in areas or location such as rural areas, cars, elevators and trains where the signal is weak.
- 4) Do not carry cell phones with power switch on. Do not keep cellphone in bedroom at night.
- 5) Do not reside near cell towers. Keep away from WI-Fi routers.
- 6) Parents should not use any baby monitor, children should not use wireless or remote controlled toys. Teenagers or younger kids should not use smartphones. The cell phone radiation is particularly harmful to children.
- 7) When talking on the phone, keep your cell phone as far away from your head as possible. If you can text, then do not talk on the phone.
- 8) Use a lot of antioxidant supplements such as ascorbic acid or vitamin C to neutralize the reactive oxygen species (ROS) generated by the cell phone radiation. ROS can damage the DNA and cause cancer.

(Send your news to foodconsumer.org@gmail.com, Foodconsumer.org is part of the Infoplus.com TM news and information network)

New Review Study Finds Increased Evidence That Cellphone Radiation Damages Sperm

Houston B, Nixon B, King BV, De Iuliis G, Aitken RJ. The effects of radiofrequency electromagnetic radiation on sperm function. *Reproduction*. 2016 Sep 6. pii: REP-16-0126.

Abstract

Mobile phone usage has become an integral part of our lives. However, the effects of the radiofrequency electromagnetic radiation (RF-EMR) emitted by these devices on biological systems and specifically the reproductive systems are currently under active debate. A fundamental hindrance to the current debate is that there is no clear mechanism of how such non-ionizing radiation influences biological systems. Therefore, we explored the documented impacts of RF-EMR on the male reproductive system and considered any common observations that could provide insights on a potential mechanism.

Among a total of 27 studies investigating the effects of RF-EMR on the male reproductive system, negative consequences of exposure were reported in 21. Within these 21 studies, 11 of the 15 that investigated sperm motility reported significant declines, 7 of 7 that measured the production of reactive oxygen species documented elevated levels and 4 of 5 studies that probed for DNA damage highlighted increased damage, due to RF-EMR exposure. Associated with this, RF-EMR treatment reduced antioxidant levels in 6 of 6 studies that studied this phenomenon, while consequences of RF-EMR were successfully ameliorated with the supplementation of antioxidants in all 3 studies that carried out these experiments.

In light of this, we envisage a two-step mechanism whereby RF-EMR is able to induce mitochondrial dysfunction leading to elevated ROS production.

A continued focus on research which aims to shed light on the biological effects of RF-EMR will allow us to test and assess this proposed mechanism in a variety of cell types.

<http://www.ncbi.nlm.nih.gov/pubmed/27601711>

<http://www.reproduction-online.org/content/early/2016/09/06/REP-16-0126.full.pdf>

Olle Johansson, associate professor
The Experimental Dermatology Unit
Department of Neuroscience

Karolinska Institute
171 77 Stockholm
Sweden

Mother Seeking Help vs Wi-Fi in Schools in Las Vegas

April Tatro-Medlin
ez...@aol.com

Please send out to any email lists you may have.
Time is limited.

I am a mother in Las Vegas, NV that has been fighting Wi-Fi upgrades in our schools for 4+ years now. I am currently awaiting a response From the 2nd administrator in the public concern process.

I appealed the response from the 1st administrator.

I would like to ask for your help. I need people to send emails to the 2 addresses below ASAP.

I have attached a copy of my public concern form

So you can see what I have listed as a solution to my concern. Please include the statement below and whatever else you wish to include. Please be respectful.

I ask that you act quickly – I don't have much time. I appreciate your help.

"Please use US-CHPS Low EMF Criteria when upgrading wireless networks in CCSD Schools. Students should be protected from harmful EMF while in school. Also, use switches to turn off Wi-Fi when not in use in classrooms."

Send to:

Mr. Pat Skorkowsky, CCSD Superintendent
pskorkowsky@interact.ccsd.net

Dr. Mike Barton, CCSD Chief Student Achievement Officer
mbarton@interact.ccsd.net

Wi-Fi in Schools: Is it Hurting Your Child?

USA

Created: 10 May
2016

Microwave radiation from cell phones and Wi-Fi -- it's something a lot of people aren't too worried about.

(Watch the newscast video by clicking on the source link below)

But that's not the case with a growing contingent of doctors. They're worried about school children who are they say are under a "constant barrage" of microwave radiation.

In 2011, the World Health Organization declared radiation from Wi-Fi in cell phones as a possible carcinogen right up there with formaldehyde and car exhaust.

Recently, consumer reports gathered the latest research and concluded that people should not carry their cell phones in their pockets or bras. The revelation prompted some people to wonder why we're adding to the invisible soup of electromagnetic signals by installing Wi-Fi in schools?

For several years, April Tatro-Medlin has been working to warn the Clark County School District about the risks of Wi-Fi exposure in schools. And at a time when Clark County schools are upgrading their wireless systems, and even providing free laptops in some schools, governments in other parts of the world are removing Wi-Fi systems because of the potential health risks.

While a clear link between radio frequency radiation and cancer has not yet to be established, there still is an agreement among doctors that children's developing brains and bodies are more vulnerable to most subtle changes in the environment.

"We cannot afford to treat our children as if they are in an experiment without controls," said Dr. Devra Davis, Environmental Health Trust.

Doctor Davis is an epidemiologist and president of the Environmental Health Trust, which is based in Washington, D.C. In April, Dr. Davis wrote a letter to Governor Brian Sandoval, R-NV, urging him to consider the issue.

It said in part, "Today's students are the first generation to study under constant bombardment from multiple sources of low-level radiation. Routers beaming signals from the classroom walls, laptops on their desks, and cellphones in their pockets."

According to Tatro-Medlin, "I think we should all have the choice whether we want our children to be exposed to the upgraded Wi-Fi."

As of this week, every school in the Clark County School District has Wi-Fi. Forty-two of the schools have enhanced Wi-Fi or total site saturation.

When 8 News NOW contacted the district to see if they've discussed the risks and considered that other countries are removing Wi-Fi from schools, they responded by saying no one would be available for interviews, so the district issued the following statement:

"While there is no clear and consistent evidence or indication that the Wi-Fi equipment in CCSD schools pose a health risk, all concerns about the safety of students are thoroughly researched and acted upon.

CCSD has provided students with reasonable accommodations if their parents expressed health-related concerns regarding school Wi-Fi systems."

However, Tatro-Medlin says that's not true.

"They told me that I could pick another school," said Tatro-Medlin.

Tatro-Medlin says she has had to shuffle her daughter from school to school to avoid Wi-Fi. She said her daughter is currently attending Las Vegas High. However, the Wi-Fi at Las Vegas High School is scheduled to be enhanced over the summer, so Tatro-Medlin plans to change her daughter's school once again.

"Schools around the world are taking steps to reduce Wi-Fi," Dr. Davis said. "The city of Haifa has recently removed Wi-Fi from the schools. France has policies to have no Wi-Fi in kindergarten."

The CCSD's statement continued with, "The implementation of Wi-Fi has allowed for positive benefits in the classroom and it remains an essential part of learning in the 21st century."

While many applaud schools for offering the latest technology, Dr. Davis, and others suggest following the lead of other countries, who are playing it safe and ditching Wi-Fi.

The bottom line: There is no scientific evidence that exposure to microwave radiation from Wi-Fi is safe or dangerous because studies with children have not been conducted. Dr. Davis, who was among the first to argue against smoking on airplanes, before it was learned that breathing second-hand smoke was bad for everyone, told 8 News NOW Governor Sandoval has yet to respond to her letter.

Reliable disease biomarkers characterizing and identifying electrohypersensitivity and multiple chemical sensitivity as two etiopathogenic aspects of a unique pathological disorder

Rev Environ Health. 2015;30(4):251-71. doi: 10.1515/reveh-2015-0027. Reliable disease biomarkers characterizing and identifying electrohypersensitivity and multiple chemical sensitivity as two etiopathogenic aspects of a unique pathological disorder.

Belpomme D, Campagnac C, Irigaray P.

Abstract

Much of the controversy over the causes of electro-hypersensitivity (EHS) and multiple chemical sensitivity (MCS) lies in the absence of both recognized clinical criteria and objective biomarkers for widely accepted diagnosis. Since 2009, we have prospectively investigated, clinically and biologically, 1216 consecutive EHS and/or MCS-self reporting cases, in an attempt to answer both questions. We report here our preliminary data, based on 727 evaluable of 839 enrolled cases: 521 (71.6%) were diagnosed with EHS, 52 (7.2%) with MCS, and 154 (21.2%) with both EHS and MCS. Two out of three patients with EHS and/or MCS were female; mean age (years) was 47. As inflammation appears to be a key process resulting from electromagnetic field (EMF) and/or chemical effects on tissues, and histamine release is potentially a major mediator of inflammation, we systematically measured histamine in the blood of patients. Near 40% had an increase in histaminemia (especially when both conditions were present), indicating a chronic inflammatory response can be detected in these patients. Oxidative stress is part of inflammation and is a key contributor to damage and response. Nitrotyrosin, a marker of both peroxynitrite (ONOO⁻) production and opening of the blood-brain barrier (BBB), was increased in 28% the cases. Protein S100B, another marker of BBB opening was increased in 15%. Circulating autoantibodies against O-myelin were detected in 23%, indicating EHS and MCS may be associated with autoimmune response. Confirming animal experiments showing the increase of Hsp27 and/or Hsp70 chaperone proteins under the influence of EMF, we found increased Hsp27 and/or Hsp70 in 33% of the patients. As most patients reported chronic insomnia and fatigue, we determined the 24 h urine 6-hydroxymelatonin sulfate (6-OHMS)/creatinin ratio and found it was decreased (<0.8) in all investigated cases. Finally, considering the self-reported symptoms of EHS and MCS, we serially measured the brain blood flow (BBF) in the temporal lobes of each case with pulsed cerebral ultrasound computed tomography. Both disorders were associated with hypoperfusion in the capsulothalamic area, suggesting that the inflammatory process involve the limbic system and the thalamus. Our data strongly suggest that EHS and MCS can be objectively characterized and routinely diagnosed by commercially available simple tests. Both disorders appear to involve inflammation-related hyper-histaminemia, oxidative stress, autoimmune response, capsulothalamic

hypoperfusion and BBB opening, and a deficit in melatonin metabolic availability; suggesting a risk of chronic neurodegenerative disease. Finally the common co-occurrence of EHS and MCS strongly suggests a common pathological mechanism.

Source: <http://www.ncbi.nlm.nih.gov/pubmed/26613326>

Cancer Incidence VS FM Radio Transmitter Density

(The following text is from <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7478/>.)

Örjan Hallberg. Cancer incidence vs. FM radio transmitter density.
Electromagnetic Biology and Medicine. Published online Jun 29, 2016.

Abstract

Background: In 2002, a strong association was highlighted between local melanoma incidence and the number of locally covering main Frequency Modulation (FM) transmitters in Sweden. This study investigated whether an association also exists between melanoma incidence and the average density of main FM transmitters in different European countries. **Methods:** Twenty-three different European countries were asked to disclose the number of main transmitters used for the FM broadcasting band (87.5–108 MHz) in the respective country. Incidences of melanoma, breast cancer and all cancers together per country were correlated with their respective average density of transmitters per 10,000 km².

Findings: Both melanoma and breast cancer, as well as all cancers together, appear to be significantly associated with the density of main FM broadcasting transmitters in the European countries examined. **Interpretation:** The findings present strong support to the earlier presented hypothesis that body-resonant broadcasting radiation emitted by horizontally polarized main FM transmitters has an immune-disturbing effect.

Funding: This study was financed by internal funds within Hallberg Independent Research only.

<http://www.tandfonline.com/doi/abs/10.3109/15368378.2016.1138122>

Effects Of Electromagnetic Fields On Osteoporosis: A Systematic Literature Review

Effects of electromagnetic fields on osteoporosis: A systematic literature review
Rong Wang, Hua Wu, Yong Yang & Mingyu Song.
Electromagnetic Biology and Medicine. Published online Jun 29, 2016.

Abstract

Electromagnetic fields (EMFs) as a safe, effective and noninvasive treatment have been researched and used for many years in orthopedics, and the common use clinically is to promote fracture healing. The of EMFs on osteoporosis have not been well concerned. The balance between osteoblast and osteoclast activity as well as the balance between differentiation and adipogenic differentiation of bone marrow mesenchymal stem cells plays an important role in the process of osteoporosis. A number of recent reports suggest that EMFs have a positive impact on the balances. In this review, we discuss the recent advances of EMFs in the treatment of osteoporosis from basic research to clinical study and introduce the possible mechanism. In addition, we presented future perspectives of application of EMFs for osteoporosis.

Exacerbation Of Demyelinating Syndrome After Exposure To Wireless Modem With Public Hotspot

Olle Johansson & Mary Redmayne. Exacerbation of demyelinating syndrome after exposure to wireless modem with public hotspot.

Electromagnetic Biology and Medicine. Published online June 29, 2016.

Abstract

In August 2003, 48-year-old JS of Colorado, USA, a fitness therapist and sports nutritionist, contracted neuroinvasive West Nile virus which left her with disabilities due to spinal axonal damage. In August 2014, she suddenly developed symptoms very much like her acute West Nile infection 11 years ago, including focal seizures, ataxia, vertigo and headaches. Her blood count looked normal so there was no obvious infection.

What struck her as odd was that when she left her apartment for any length of time, the symptoms stopped. She found out that a new type of wireless modem, enabled for both personal use and functioning as a public hotspot designed to reach up to 100 m, had been installed in the flat under hers. Her neighbor replaced the modem with a router without the hotspot feature. After that, the seizures stopped immediately, and the other symptoms faded gradually, after which she was fine and again could sleep well. Later, when another activated hotspot was installed in an adjacent flat, JS once again noticed symptoms.

A possible association between electrohypersensitivity, myelin integrity and exposure to low-intensity radiofrequency electromagnetic fields (RF-EMF) typical in the modern world has recently been proposed. Since the West Nile virus attacks both the nerve cells and the glial ones, one explanation to the above observed case effects is that the initial virus attack and the wireless modem's RF-EMF affect the nervous system through the very same, or similar, avenues, and maybe both via the oligodendrocytes.

<http://www.tandfonline.com/doi/abs/10.3109/15368378.2015.1107839>

Microwave Radiation (2.45 Ghz)-Induced Oxidative Stress: Whole-Body Exposure Effect On Histopathology Of Wistar Rats

Parul Chauhan, H. N. Verma, Rashmi Sisodia & Kavindra Kumar Kesari.

Electromagnetic Biology and Medicine. Published online Jun 30, 2016.

Abstract

Man-made microwave and radiofrequency (RF) radiation technologies have been steadily increasing with the growing demand of electronic appliances such as microwave oven and cell phones. These appliances affect biological systems by increasing free radicals, thus leading to oxidative damage.

The aim of this study was to explore the effect of 2.45 GHz microwave radiation on histology and the level of lipid peroxide (LPO) in Wistar rats. Sixty-day-old male Wistar rats with 180 ± 10 g body weight were used for this study. Animals were divided into two groups – sham exposed (control) and microwave exposed. These animals were exposed for 2 h a day for 35 d to 2.45 GHz microwave radiation (power density, 0.2 mW/cm²). The whole-body specific absorption rate (SAR) was estimated to be 0.14 W/kg.

After completion of the exposure period, rats were sacrificed, and brain, liver, kidney, testis and spleen were stored/preserved for determination of LPO and histological parameters. Significantly high levels of LPO were observed in the liver ($p < 0.001$), brain ($p < 0.004$) and spleen ($p < 0.006$) in samples from rats exposed to microwave radiation. Also histological changes were observed in the brain, liver, testis, kidney and spleen after whole-body microwave exposure, compared to the control group.

Based on the results obtained in this study, we conclude that exposure to microwave radiation 2 h a day for 35 d can potentially cause histopathology and oxidative changes in Wistar rats. These results indicate possible implications of such exposure on human health.

<http://www.tandfonline.com/doi/abs/10.3109/15368378.2016.1144063>

The latest post on EMR Safety Website:

STORYLINE vs. REST-OF-THE-STORY: Brain cancer incidence, cellphone use, and trends data

Joel M. Moskowitz, Ph.D., Director
Center for Family and Community Health
School of Public Health
University of California, Berkeley
Electromagnetic Radiation Safety
<http://www.saferemr.com>

The Doctors TV Show – Allergic to Wi-Fi?

(The following can be accessed via <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7485/>.)

Aired 12 July 2016 – Can you be allergic to Wi-Fi? Chemical electromagnetic-sensitivity expert Dr. Lisa Nagy joins The Doctors to increase awareness about this very real condition.

<http://www.thedoctorstv.com/episodes/bieber-guilt-controversial-new-baby-gadget-can-you-be-allergic-to-wi-fi-music-breaks-through-alzheimer-s-what-s-your-driving-personality-hugging-your-dog-harms-health>

Comment to show

Thank you 'The Doctors' for reporting this important subject.

I suffer from this condition and I know of many other people who also suffer. Besides being called Electro Hyper-Sensitivity, it is also known as Radio Wave Sickness and Microwave Sickness and was first reported in a German Scientific Paper in 1929 when the exposure was from AM radio transmitters. The condition became more well-known during the Second World War when aircraft radar technicians became ill from microwave radiation transmitted from the equipment that they were working on.

There are thousands of scientific papers which show that electromagnetic radiation causes serious biological effects and it is linked to many illnesses including several different cancers. A good place to learn more about the many adverse health effects can be found in the Bio Initiative Report www.bioinitiative.org This is a report by nineteen scientists and ten medical specialists who have researched masses of scientific reports.

Other sources of good information can be found at www.es-uk.info/ , www.weepinitiative.org, www.microwavenews.com/ , www.magdahavas.com/

Martin Weatherall

Note – this comment did not show up on the comment page!

Petition to the Government of Canada re Location of Cell Towers near Schools

(The following is linked at <https://petitions.parl.gc.ca/en/Petition/Details?Petition=e-404>.)

Whereas:

Cell towers emit radiofrequency / microwave radiation which has been classified by the World Health Organization as a class 2b possible human carcinogen;

Unlike other possible carcinogens in this category such as chloroform, the emissions from cell towers radiate humans continuously;

Studies in Brazil, Israel and Germany show cancer rate increases up to over 40 times higher within 400 meters of a cell tower than beyond 1000 metres;

It has been proven by the scientific community that children are more vulnerable to the effects of exposure to radiofrequency/microwave radiation due to their thin skulls and developing brains. No laws currently prevent the installation of cell towers near schools;

A Nanos poll indicated that 60% of Canadians are concerned or somewhat concerned about possible health effects related to electromagnetic frequencies. Cell phones and cell towers were the top two sources of electromagnetic frequencies that Canadians were concerned about; and Industry Canada does not monitor emissions once cell towers / antennas are approved, i.e, no one measures the amount of radiation emitted when additional antennas are added.

We, the undersigned, residents of Canada, call upon the Government of Canada to

1. Enact the ALARA principle (As Low As Reasonably Possible) when it comes to radiofrequency/ microwave radiation exposure allowances;
2. Ensure that cellular antennas /towers are kept away from schools and other sensitive areas; and
3. Enforce continuous monitoring during and after the installation of cellular antennas /towers for minimum achievable radiofrequency / microwave radiation levels.

Sponsor

David Tilson

Dufferin—Caledon

Conservative

Ontario

Best Thinking On Why School Routers Are So Much Worse?

Smart grid financed by our pensions

FROM : Brian Thiesen

Objet: Rép : Best thinking on why school routers are so much worse?

Date: 26 juin 2016 14:22:53 UTC-4

À: André Fauteux

I have laid out the money behind these routers etc. in every school.

Teachers are being replaced and this is because of pensions.

You can learn it here; I think you will find it well laid out. Before, there was a thread you and I were on with someone talking about 'divestment' from big oil.... this is showing the investment in the grid at a scale that almost no one even knows.

<https://www.youtube.com/watch?v=IMS2VfxE7YI>

<https://www.youtube.com/watch?v=GV9ujGvaDFE>

The other issue is they have routers inside and then also I have seen many times the Cisco three-pronged white giant routers right on the roof. So as you can see here, this thing is literally 8-10 feet from children's heads AND as noted in what you sent, our wonderful friends at Shaw have their 'smaller' Cisco routers every so many feet in this pre-school. Of note, there is a multi-mast cell tower less than 1000 meters from this school, a smart grid collector hub within about 500 meters, more masts about 1500 meters and then of course all the iPads, cell phones in the classroom.



Marketwatch did an excellent piece on how long even 2-year-olds are spending on these things.

Brian Thiesen

West Kelowna BC

www.bc-freedom.com

“5G” Rollout Worries Wi-Fi Health Advocates

Thu., Jun. 30, 2016 By Jack O'Dwyer

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7470/>.)

FCC chair Tom Wheeler is pushing for adoption of 5G Wi-Fi router technology July 14 which need millions of mini-cell towers potentially in every home and every room.

Alarmed health advocates say Wheeler has provided no time for public comments or hearings. He described 5G at the National Press Club June 20, saying it is “a national priority.” It was not mentioned on the FCC main page.

Smartgridawareness.org says high-frequency 5G signals travel much faster but over shorter distances and cannot easily penetrate walls.

“That means thousands – perhaps millions – of mini cell towers, or ‘small cells’ would be needed on top of every lamp post, every building, inside every home and potentially every room,” it said.

June 20 was celebrated as the inaugural “World Wi-Fi Day.”

5G Is New “Global Platform”

It will be “a global platform to recognize and celebrate the significant role Wi-Fi is playing in getting cities and communities around the world connected,” said Wheeler. “It will champion exciting and innovative solutions to help bridge the digital divide, with Connected City initiatives and new service launches at its core.”

Smartgridawareness says “The drive towards 5G could make smart meter emissions look like almost nothing in comparison. We have no idea what the health consequences of 5G might be like, but yet no one in industry or government seems concerned about that, not even a little bit.”

The site said Wheeler’s proposal, called “Spectrum Frontier,” is being enacted without “regulation, thoughtful process, etc. This is about turning developers loose, completely, to create what they want. Absolute insanity.”

Wheeler was president and CEO of the Cellular Telecommunications & Internet Assn. from 1992-2004 and is the only person ever named to both the Cable TV Hall of Fame and the Wireless Hall of Fame.

Westhampton Blocks Access to Routers

The Westhampton, New York, library, citing the FCC’s view that radiation is permissible as long as it does not raise the temperature of bodily tissues or fluids, has rejected demands of local residents for the removal of its Wi-Fi system pending further investigation.

The library will not let this reporter examine or take photos of the Wi-Fi routers which are in the ceilings throughout the building. Highest levels of radiation, as measured by an Acoustimeter, were found in the room where 64 seniors play bridge for four hours each Tuesday. The library board meets in the same room once a month.

Board president Tom Moore and other board members were shown the high ratings but ridiculed them and said “Why don’t you worry about the sun also since that is radiation?”

High radiation levels were also shown to Mayor Maria Moore, wife of Tom Moore, during a meeting of the Village board June 2. Both Moores dismissed the readings as inconsequential as did the other four board members.

When Mayor Moore refused to let us examine the routers in village offices we filed a Freedom of Information request. That was turned down on the ground that the routers are “within the ceiling.”

We have asked Moore and Village Clerk Elizabeth Lindtvit if we can have all the specifications of the routers and take a photo of one.

Biochemist Makes Recommendations

Martin Pall, Ph.D., biochemist at Washington State University, argues that because EMF heating is produced mainly by forces on singly charged groups in the aqueous phases of the cell, the safety guidelines/standards that allow people to be exposed to EMFs are 7.2 million times too high because they are using the wrong target.

Recipients get a big increase in nitrite oxide with calcium in the cell, leading to free radical generation and oxidative stress. They also get an increase in super oxide. These two react with each other, allowing disease causing changes to occur. Calcium signaling is very important in the cell and problems result when there is too much of it.

Microwave frequency EMFs attack four things that people value most, says Pall – our health, brain function, integrity of our genomes and our ability to produce healthy offspring.

Health advocates believe an “autism epidemic” is probably largely caused by EMF exposures although chemicals also have a role.

At the AutismOne meeting in Chicago last year, Pall discussed 32 different types of evidence that support a pathway of action from microwave EMF exposure through disruption of synapse development in the developing brain of autism patients.

EMFs Have Role in Increased Alzheimer's

Doctors are also seeing neuropsychiatric effects of EMF exposures and an unexplained increase in premature Alzheimer's disease. Higher VGCC activity, produced by genetic polymorphism, is associated with Alzheimer's.

Researchers showed that young rats exposed to multiple short-pulsed microwave EMFs, developed oxidative stress, high amyloid beta (Aβ protein) levels as well as cognitive and memory impairment in middle age – Alzheimer's like changes. Alzheimer's typically has very long latency periods – 20, 25 or 30 years from the time the process starts until symptoms become apparent.

Suggestions by Healthcare Advocates

Repeal the 1996 telecommunications act.

Stop these ever increasing levels of exposures. There are many ways to make these devices much safer but we are running as fast as we can in exactly the wrong direction.

We need biologically relevant safety standards, not the nonsense safety standards that we have now. The best way to develop such standards is to study the effects of EMFs on cells in culture, cells that have high levels of various types of VGCCs. Such cell culture work is not difficult to do, nor is it very expensive to do. It needs to be started right now!!

Reporters Face Dangers from Outside and Within Industry

Tue., Jul. 5, 2016 By Jack O'Dwyer

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7477/>.)

At least 1,195 journalists have been killed since 1992, says the Committee to Protect Journalists. That's bad, but we also find that reporters are restricted as to what they can report by their own publishers, which is also bad.

CPJ, whose annual report on journalist deaths was covered in the June 21 New York Times, is almost exclusively concerned with persecutions of journalists outside the U.S.

CPJ – Worst country for journalists is Iraq where at least 149 local and 23 foreign journalists have been killed since 1992.

Our hearts go out to the families of murdered, tortured, jailed, sued and deported journalists. UNESCO's Navi Pillay has also kept track of persecuted journalists, publishing a 51-page report on it.

Both CPJ and Pillay note that better than 90% of the murders of journalists are never solved. Most of the time, no effort is made to find the murderers.

Journalists, many of them working for media that are on thin financial ice because so much news and information is free on the web, are under increasing pressure to bow to financial and political drumbeats set by publishers.

Certain subjects are considered to be off-limits while politically correct subjects can be covered almost without limit.

Wi-Fi, Radiation Threats Mostly Ignored

One subject that gets little play, obviously because three of the five biggest advertisers are telecom companies (Verizon, Comcast and AT&T), is the dangers from pulsed radiation from Wi-Fi routers, cellphones, cordless phone base stations, wireless utility meters, computers, the 5,000+ cellphone towers, wireless baby monitors, etc.

Radiation health advocates are in shock over a new wave of powerful, pulsed radiation sources that companies plan for the nation with the approval of the Federal Communications Commission.

Endangered is the entire 324 million population of the U.S.

The new "5G" (Fifth Generation) high-frequency transmitters require more transmitters because their signals travel faster over shorter distances but they cannot easily penetrate walls.

This could mean perhaps millions of mini-cell towers on top of lamp posts, buildings and inside every home and even every room, says smartgridawareness.org.

Health Advocates Present Evidence

Anyone who doubts that pulsed electro-magnetic radiation is a health threat, although it may take years for symptoms to appear, should check the urgings of retired Canadian Army Captain Jerry Flynn who spent 22 years in its "Electronic Warfare" unit. The purpose of the unit was to damage the health of enemies without them knowing it.

Frustrated by the refusal of Canadian Health authorities to reduce or eliminate radiation in schools, libraries, offices, etc., he has called on the Royal Canadian Mounted Police to investigate this.

Other sources are bioinitiative.org and a 54-point overview of the subject by Camilla Rees, Ph.D., founder of Electromagnetichealth.org.

Media AWOL

The health advocates are dismayed by the failure of media to take up this subject. Flynn in June emailed the International Investigative Reporters & Editors, Washington, D.C., and Investigative Reporters & Editors, based at the University of Missouri, asking for reporting on the subject.

He has not heard from them. We also wrote to the two groups and got the same non-response.

The National Parent Teachers Assn., which met in Orlando June 30-July 4, first allowed, but then cancelled an exhibit by wirelesswatchblog.org operated by David Morrison.

Morrison, a candidate for the Portland City Council who wants to bar Wi-Fi from local schools, said PTA executive director Nathan Monell turned him down. Laura Bay is elected president for 2015-17.

PTA Returns Check, Bans WEA

Monell, returning an \$1,810 check from Wireless Education Action, said no members of WEA “shall be allowed to exhibit, attend, or in any other way participate in the convention.”

Monell said the WEA positions that “Wireless classrooms are a danger to children, that the government is covering it up, that schools are microwave radiating children without real safety standards, and that wireless systems should be banned from schools and other locations where children are exposed to them, are not consistent with National PTA’s mission, position statements, resolutions or policies.”

wireless watch Morrison said “Microwave radiation from wireless devices is a serious public health issue that should be investigated by the City Council which should then inform the public of its findings.”

“The health and genetic integrity of our children should not be compromised by industry pressure and financial kickbacks,” he added. “School officials may be personally liable in eventual lawsuits for physical damage caused by chronic Wi-Fi radiation exposure in schools. Telecommunications industries are no longer eligible for liability insurance.”

Oregon House Bill 3350 introduced in 2015 would require that parents, teachers and school employees be told that the World Health Organization has found microwave radiation from Wi-Fi and cell towers in schools is a Class 2B carcinogen.

One Million Teachers vs. Wi-Fi

Morrison said more than one million members of teachers’ unions in the U.S., Canada, U.K. and Germany “who have done their research, do not support Wi-Fi in schools.” Students are subject to microwave radiation up to seven hours a day in classrooms, he noted.

Martin Weatherall, co-director of Wireless Electrical and Electromagnetic Pollution (WEPP), in an email to numerous PTA chapters, applauded Morrison’s efforts to win a place at the national conference which attracted 1,500 of “the most influential leaders in education.”

“The huge increase in mental health problems, depression and suicide among children has only occurred since they have been exposed to strong wireless radiation in their schools and homes, etc.,” he said.

Conflict of Interest Charged

He noted that National PTA lists Amazon Kindle as a sponsor and that Kindle needs Wi-Fi or 3G wireless for connectivity. “This is a serious conflict of interest as over 60 years of scientific evidence shows serious biological effects from exposure to microwave radiation,” he said.

Ilham AlMahamid, Ph.D., Bureau of Environmental Radiation Protection, New York State Dept. of Health, said its radiation surveillance only addresses ionizing radiation which can heat bodily tissues.

Wi-Fi Health Advocates Face a Week of Fighting FCC

Mon., Jul. 11, 2016 By Jack O'Dwyer

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7482/>.)

A nationwide campaign led by Parents for Safe Technology is targeting members of Congress in a drive for public hearings before the Federal Communications Commission okays new and more powerful Wi-Fi technology.

FCC, headed by Chair Tom Wheeler, is set to approve the new “5G” technology on Thursday, July 14.

Wheeler has made 5G a “national priority” and is pushing for its adoption. Opponents say he is doing this with no time allotted for public discussion.

They note that for most of his career he was a venture capitalist and lobbyist for the cable and wireless industries. He is in the Hall of Fames of both the cable and wireless industries. He has headed the FCC since 2013.

Parents for Safe Technology is leading the drive to get health advocates to call their U.S. senators and representatives and ask them to meet with reps of Parents for Safe Technology, Americans for Safe Technology and We Are the Evidence.

Urges PST: “Be sure to express the importance of having oversight hearings related to the negligence of the FCC in promoting wireless technology and even rolling out an additional radiation intensive technology (5G) after the National Toxicology Program released findings that radiation from wireless technology causes cancer and breaks DNA.”

“The FCC limits on radiation from wireless technology are outdated and inadequate,” says PST.

It quotes the U.S. Dept. of Interior as saying: “The electromagnetic radiation standards used by the FCC continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today.”

Kate Kheel, director, Maryland Smart Meter Awareness, is helping citizens in their efforts to win attention from their representatives in Congress.

Safety of Citizens Is Paramount

The safety and health of citizens should be the paramount concern of government officials.

Wi-Fi/pulsed radiation healthcare advocates are not finding that to be the case. Governments are often allied with commercial interests whose activities and products work against the health and safety of citizens.

This reporter is finding that to be true where we spend more than half the year – Westhampton Beach.

Efforts to get the five WHB trustees or seven library trustees to take up the topic go nowhere. They are unmoved even though we display high radiation readings to them on our Acoustimeter in the very rooms where they are meeting.

In the most danger are staffers who spend all day in these rooms although it may take years for symptoms to appear. Staffers at the huge Library of Paris realized this back in 2008 and banned Wi-Fi from its two tall buildings.

High-powered, industrial-level Wi-Fi routers are in the ceilings throughout both the WHB and library offices. But officials in both places refuse to show us the routers or provide their specifications.

Cablevision No Help So Far

WHB clerk/treasurer Elizabeth Lindtvit turned down our Freedom of Information request saying there is “no public access to our network or infrastructure” and telling us to try supplier Cablevision.

We called Cablevision which is usually very helpful. But in this case technicians said they could only give the specs for routers used in homes and not those used in businesses or organizations.

They shifted us to Lisa Anselmo, VP-corporate communications,

Altice is the French telecom company that recently purchased Cablevision, Newsday and News12.com in a \$15.7 billion transaction. Cablevision, in a surprise move, last week said it was buying back a 75% stake in Newsday. Losses of the paper in the past eight years that Cablevision has owned it have topped \$150 million, said the New York Post.

Cablevision execs have been living high on the hog – 300 of them getting \$300K in pay while driving debt to \$7.43 billion. Altice wants to shave \$900M in costs and introduce the “quadruple play.” Cable companies in Europe have been offering a package of four services – TV, phone, web and wireless. U.S. companies thus far only offer the first three – the “triple play.”

Anselmo was not immediately available and no other staffers would handle the question.

WHB Board Blocks Info, Free Speech

The Westhampton Beach board had its inaugural meeting July 5, inflicting nearly two hours of bureaucratic motions and legalese on 30 residents before letting any of them speak.

The agenda passed out at the beginning of the meeting listed 47 resolutions that had to be read out in full and passed before discussion of a radio antenna at the new firehouse could begin.

William Glass, lawyer for the WHB fire district, with the help of Dennis Kenter of Relay Communications Corp., held the floor for nearly an hour, covering every possible angle related to firehouse sirens, radio and telephone communications with firefighters.

Only when residents were allowed to speak at nearly the two-hour mark was it brought out by one resident that sirens are not really necessary any more since firefighters can be contacted by pagers, cellphones and regular phones. A new 100-ft. high radio tower next to the new \$15.7 million firehouse was approved. It allows the fire chief to contact key personnel who then use pagers to contact the all-volunteer force.

Radiation Imperils Citizens

There has been some grumbling among residents about the cost of the new firehouse but fighting fires and preventing conditions that lead to them is so important that skimping on this function is usually unheard of.

The concern is the safety of residents. We can only wish that some of the concern for residents shown July 4 at the WHB meeting could be shifted to another danger that threatens the health of residents – pulsed, electromagnetic radiation showering them from the ceilings of the WHB village hall and the library. WHB classrooms have similar routers.

WHB Ignores Radiation Threat, Violation of Constitution

The radiation levels, as measured by an Acoustimeter that we displayed to the room, are in the danger zone.

Sources on the health threats of radiation are at bioinitiative.org and the 54-part essay by Camilla Rees. The O'Dwyer website has more 300 entries on the subject, almost all of them in the free area.

More than one million members of teachers' unions in the U.S., Canada, U.K., and Germany have signed petitions to remove industrial-level Wi-Fi routers from their classrooms, reports David Morrison, who operates [wirelesswatchblog](http://www.wirelesswatchblog.org). <http://www.wirelesswatchblog.org>

Constitution Breached by Eruvim

Another subject the board does not want to hear is the fact that the eruv Jewish boundary accepted last month by the WHB board is a violation of the U.S. Constitution, which Mayor Moore swore to uphold at the July 5 meeting.

Residents who view the videotape of the July 5 meeting will have first-hand knowledge of how much time of villagers was wasted.

Unfortunately, the meeting has yet to make its appearance on the WHB website. That is also illustrative of the attitude of WHB officials – keep the lid on info as much as possible.

The meeting should have been live webcast just like the board meetings of Southampton. Then the trustees could not get away with their lengthy, time-wasting recitation of license renewals, appointments of officials, etc., which belong at the separate 'work' session of the board.

Comments by citizens should be first and not last. We will measure the time used by Glass when the video is finally posted.

Mayor Maria Moore sat passively while Glass droned on and on, returning to the mike several times just when residents thought he had exhausted about everything that could be said about sirens.

Defend Cell Tower Rules

July 13, 2016

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7483/>.)

(Editorial by The Register-Guard, Eugene, Oregon)

The federal Telecommunications Act of 1996 did not envision people playing Pokémon Go on their iPhones. But the shoebox-sized cell phones of the time depended on the same infrastructure that relays data to and from today's wireless devices – a network of towers. The 20-year-old act gives local governments limited authority to control the siting of those towers, and Lane County exercised that authority by adopting rules in 2005. The rules protect rural property owners, and Lane County should not weaken them without a fight.

Lane County allows cell towers, but only if people living within 1,200 feet of them grant their permission. This good-neighbor rule has not prevented the buildout of cell phone networks. But Verizon, the communications giant, is demanding that the county allow it to build a 120-foot tower on property near Bodenhamer Road just west of Eugene, despite nearby neighbors' objections.

The Telecommunications Act specifically preserves state and local authority over zoning and land-use decisions in the siting of cell phone towers. The authority is limited: Local governments may not discriminate among providers or impose rules that prevent the delivery of wireless communications services. They also may not reject an application based on the environmental effects of cell towers' emissions of electromagnetic radiation.

That last limitation prohibits Lane County from considering what many consider to be the greatest concern about cell towers – their electromagnetic fields – but local governments are poorly equipped to evaluate such concerns. Lane County can, however, take into account the opinions of people living near a proposed cell tower location, and that's what the county siting rules do.

People living within a 1,200-foot radius of the proposed Bodenhamer Road tower site have expressed a variety of concerns, including their fear of the health effects of electromagnetic radiation. County officials need not assess the merits of these concerns. The fact that neighbors don't want the tower nearby is enough.

One concern, however, is undeniably valid: Property values would be affected. Aesthetic objections may boil down to a matter of taste, and many will discount claims of health effects as unproven, but any prospective property buyer would take the existence of a nearby cell tower into account. Lane County should do what it can to protect its citizens' investments in their homes and land – which includes having rules against unwanted intrusions by cell phone towers.

Verizon's lawyer argues that Lane County's rule was adopted because of worries about electromagnetic radiation, and is invalid for that reason. But while the federal act prohibits that particular justification for tower siting restrictions, rules can be imposed for nearly any other reason. Verizon is in a stronger position when it argues that the Bodenhamer Road tower is needed to ensure high-quality wireless services, because local governments' siting rules must not have the effect of prohibiting such services. Even then, Verizon should have to prove the tower is necessary and that no alternatives exist.

If the siting rules are waived for Verizon, other requests for special treatment would surely follow. Lane County should stick to its rules, apply them uniformly and defend them if necessary against a challenge.

Environmental Impact of Radiofrequency Fields from Mobile Phone Base Stations

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7493/>.)

Scientists unite to protect Alarming EMF-effects Findings against Offense

“Comments on Environmental Impact of Radiofrequency Fields from Mobile Phone Base Stations” by Dimitris J. Panagopoulos, Marie-Claire Cammaerts, Daniel Favre, and Alfonso Balmori, *Critical Reviews in Environmental Science and Technology*. 46(9), 885-903.

The article is a response to the review paper: Verschaeve L, (2014), *Environmental Impact of Radiofrequency Fields from Mobile Phone Base Stations*, *Critical Reviews in Environmental Science and Technology*, 44:1313–1369.

In this review paper the author (L. Verschaeve, member of IARC committee) tried to reject every study that shows alarming effects of microwave radiation on living organisms. His conclusions are not supported by scientific data and are mostly based on his claims for “inaccurate” dosimetry in the reviewed studies. This issue is not the case, especially in studies employing real and not simulated exposures by mobile telephony (and related technologies) antennas, since this type of radiation is of highly varying nature, and its levels – regardless of any dosimetry – are simply those exposing daily billions of users.

The author of the review criticized exclusively those studies that find adverse biological effects instead of recognizing the fact that these results are corroborating each other and would thus be most unlikely to be wrong. The author attempted to minimize the importance of these studies by “discovering” “shortcomings” in each and every one of them. Most of the “discovered” “shortcomings” were related with the “accurate” evaluation of the exposure dosimetry. The author claimed that the measurements “are not correct”, and “for this reason these studies do not provide any evidence that observed biological effects are associated with exposure to the electromagnetic fields”. In this way Dr. Verschaeve systematically attempted to discredit practically all studies showing a variety of alarming effects related to animal/human health and the natural environment.

The four scientists demolish one by one Verschaeve’s arguments against the alarming findings. In their paper they write:

“It is as if we are observing a huge tidal wave coming upon a city on a shore and just because we are not able to measure by our instruments its exact height (e.g. whether it is 80 or 90 m), we claim that once we can not measure it exactly, we cannot draw conclusions for any adverse effects that it may cause!... That – of course – would be absolutely absurd, unscientific and catastrophic. Although the example with the tidal wave is an extreme one, phenomena such as the observed disappearance of bees (which is explained by induced cell death in the gonads as found in *Drosophila* studies) or birds may have tremendous adverse effects on our societies.

In this case, we have already hundreds of studies performed on a variety of organisms in many different laboratories around the world, all pointing at the same direction: This radiation at many different exposure levels is responsible for a variety of adverse biological effects ranging from simple alterations in different biological rates, loss of orientation, or retardation of growth, to DNA damage, protein damage, or cell death, transient or permanent infertility, or even the organisms’ death in extreme cases. But according to Dr Verschaeve, it doesn’t matter... Since there are other studies that do not show effects, and since we cannot estimate accurately the radiation level, there is “no overall evidence” and thus no precaution should be taken! In other words, according to Dr Verschaeve’s reasoning, the effects do not exist, or they are totally negligible!”

“It is most strange to us that such reasoning as that of Dr Verschaeve which is evident throughout his review paper is considered scientific and is published in a peer review scientific journal. It is also most strange that a scientist with such logic is a member of decision making health organizations such as the International Agency for Research on Cancer (IARC) (IARC 2013).

The practice of not recognizing the “tidal wave” because of lack of “accurate dosimetry” is not only unscientific but in addition catastrophic for public health in case that those who support and promote it are members of decision making health organizations.”

In the meanwhile Luc Verschaeve continues his work, this time on ELF studies that show alarming effects ...:

https://www.researchgate.net/publication/304358099_Genetic_damage_in_humans_exposed_to_extremely_low-frequency_electromagnetic_fields

Genetic Damage In Humans Exposed To Extremely Low-Frequency Electromagnetic Fields

(The following is linked at

https://www.researchgate.net/publication/304358099_Genetic_damage_in_humans_exposed_to_extremely_low-frequency_electromagnetic_fields.)

1st A. Maes 2nd Luc Verschaeve
38.78 · Belgian Scientific Institute for Public Health

Abstract

The classification of extremely low-frequency magnetic fields by the International Agency for Research on Cancer in the group of 'possible human carcinogens' (group 2B) is essentially based on epidemiologic evidence showing an association between MF exposures and childhood leukemia. Despite many in vitro and in vivo investigations, there is no established causal relationship yet. However, human cytogenetic biomonitoring studies that were conducted in the past show predominantly positive results, i.e. increased cytogenetic damage in peripheral blood lymphocytes or buccal cells of ELF-MF-exposed subjects. This is important given the established link between observed cytogenetic damage in cells of people and an increased cancer risk. We here conducted an evaluation of the published investigations and found that many of the studies clearly have shortcomings, which often prevent any firm conclusion. As a matter of fact, there are reasons to believe that effects are not that impressive. However, the totality of the studies cannot simply be disregarded warranting further caution and the application, to a certain extent, of the precautionary principle.

Effects of Wireless Radiation on Birds and Other Wildlife

Monday, July 18, 2016

A Briefing Memo by Dr. Albert Manville

Albert M. Manville, II, Ph.D. A Briefing Memorandum: What We Know, Can Infer, and Don't Yet Know about Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife — for Public Release. July 14, 2016.

In this memo, Dr. Manville reviews the scientific literature that examines the impacts on wildlife from exposure to radio frequency radiation.

He observes that although the FCC has standards to protect humans from the heating (i.e., thermal) effects of wireless radiation exposure from cellular and broadcast towers, no standards exist to protect wildlife from thermal or non-thermal effects:

“The radiation effects on wildlife need to be addressed by the Federal Communications Commission (FCC), the Environmental Protection Agency (EPA), the Department of Commerce, the U.S. Fish and Wildlife Service (FWS) and other governmental entities.”

Dr. Manville concludes with the following statement:

“In summary, we need to better understand ... how to address these growing and poorly understood radiation impacts to migratory birds, bees, bats, and myriad other wildlife. At present, given industry and agency intransigence ... massive amounts of money being spent to prevent addressing impacts from non-thermal radiation — not unlike the battles over tobacco and smoking — and a lack of significant, dedicated and reliable funding to advance independent field studies, ... we are left with few options. Currently, other than to proceed using the precautionary approach and keep emissions as low as reasonably achievable, we are at loggerheads in advancing meaningful guidelines, policies and regulations that address non-thermal effects....”

Dr. Manville recommends that the U.S. adopt the following recommendations because federally-protected wildlife species are currently in danger from RFR exposure:

“We desperately need to conduct field research on thermal and non-thermal radiation impacts to wild migratory birds and other wildlife here in North America, similar to studies conducted in Europe....”

“Studies need to be designed to better tease out and understand causality of thermal and non-thermal impacts from radiation on migratory birds.... efforts need to be made to begin developing exposure guidelines for migratory birds and other wildlife ...”

“To minimize deleterious radiation exposures, these guidelines should include use of avoidance measures such as those developed by the electric utility industry for bird collision and electrocution avoidance ...”

“Studies need to be conducted on the use of “faux” branches (i.e., metal arms that mimic pine or fir branches) on cell and/or FM towers intended to disguise the towers as trees, but provide nesting and roosting opportunities for migratory birds including Bald Eagles, which will almost certainly be impacted both by thermal and non-thermal radiation effects.”

“Agencies tasked with the protection, management, and research on migratory birds and other wildlife ... need to develop radiation policies that avoid or minimize impacts to migratory birds and other trust wildlife species.”

“As Levitt and Lai (2010) concluded, we do not actually need to know whether RFR effects are thermal or non-thermal to set exposure guidelines. Most scientists consider non-thermal effects as well established, even though the implications are not fully understood.”

“Given the rapidly growing database of peer-reviewed, published scientific studies (e.g., <http://www.saferemr.com>, School of Public Health, University of California, Berkeley), it is time that FCC considers thermal and non-thermal effects from EMR in their tower permitting, and incorporates changes into their rulemaking regarding ‘effects of communication towers on migratory birds.’”

Dr. Albert Manville II is an adjunct faculty member at Johns Hopkins University. He served as a senior wildlife biologist with the U.S. Fish and Wildlife Service from 1997 to 2014. He chaired the Communication Tower Working Group, partnering with the communications industry, federal and state agencies, researchers, and non-profit organizations. He testified more than 40 times before Congress and other governmental bodies and published more 170 papers. For more information, see <http://advanced.jhu.edu/about-us/faculty/albert-manville/>.

Dr. Manville's memo is available at <http://bit.ly/Manvillewildlife>.

Cell Tower Radiation Affects Wildlife: Dept. of Interior Attacks FCC

Monday, March 24, 2014

(The following is linked at <http://www.saferemr.com/2014/03/dept-of-interior-attacks-fcc-regarding.html>.)

The Department of Interior charges that the FCC standards for cell phone radiation are outmoded and no longer applicable as they do not adequately protect wildlife.

The Director of the Office of Environmental Policy and Compliance of the United States Department of the Interior sent a letter to the National Telecommunications and Information Administration in the Department of Commerce which addresses the Interior Department's concern that cell tower radiation has had negative impacts on the health of migratory birds and other wildlife.

The Interior Department accused the Federal government of employing outdated radiation standards set by the Federal Communications Commission (FCC), a federal agency with no expertise in health. The standards are no longer applicable because they control only for overheating and do not protect organisms from the adverse effects of exposure to the low-intensity radiation produced by cell phones and cell towers:

"the electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today."

The Department criticized the Federal government's proposed procedures for placement and operation of communication towers, and called for "independent, third-party peer-reviewed studies" in the U.S. to examine the effects of cell tower radiation on "migratory birds and other trust species."

Following are excerpts from the letter, dated Feb 7, 2014:

"The Department believes that some of the proposed procedures are not consistent with Executive Order 13186 Responsibilities of Federal Agencies to Protect Migratory Birds, which specifically requires federal agencies to develop and use principles, standards, and practices that will lessen the amount of unintentional take reasonably attributed to agency actions. The Department, through the Fish and Wildlife Service (FWS), finds that the proposals lack provisions necessary to conserve migratory bird resources, including eagles. The proposals also do not reflect current information regarding the effects of communication towers to birds. Our comments are intended to further clarify specific issues and address provisions in the proposals.

The Department recommends revisions to the proposed procedures to better reflect the impacts to resources under our jurisdiction from communication towers. The placement and operation of communication towers, including un-guyed, unlit, monopole or lattice-designed structures, impact protected migratory birds in two significant ways. The first is by injury, crippling loss, and death from collisions with towers and their supporting guy-wire infrastructure, where present. The second significant issue associated with communication towers involves impacts from non-ionizing electromagnetic radiation emitted by them (See Attachment)."

Enclosure A

"The second significant issue associated with communication towers involves impacts from nonionizing electromagnetic radiation emitted by these structures. Radiation studies at cellular communication towers were begun circa 2000 in Europe and continue today on wild nesting birds. Study results have documented nest and site abandonment, plumage deterioration, locomotion problems, reduced survivorship, and death (e.g., Balmori 2005, Balmori and Hallberg 2007, and Everaert and Bauwens 2007). Nesting migratory birds and their offspring have apparently been affected by the radiation from cellular phone towers in the 900 and 1800 MHz frequency ranges – 915 MHz is the standard cellular phone frequency used in the United States. However, the electromagnetic radiation standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today. This is primarily due to the lower levels of radiation output from microwave-powered communication devices such as cellular telephones and other sources of point-to-point communications; levels typically lower than from microwave ovens. The problem, however, appears to focus on very low levels of non-ionizing electromagnetic radiation. For example, in laboratory studies, T. Litovitz (personal communication) and DiCarlo et al. (2002) raised concerns about impacts of low-level, non-thermal electromagnetic radiation from the standard 915 MHz cell phone frequency on domestic chicken embryos – with some lethal results (Manville 2009, 2013a). Radiation at extremely low levels (0.0001 the level emitted by the average digital cellular telephone) caused heart attacks and the deaths of some chicken embryos subjected to hypoxic conditions in the laboratory while controls subjected to hypoxia were unaffected (DiCarlo et al. 2002). To date, no independent, third-party field studies have been conducted in North America on impacts of tower electromagnetic radiation on migratory birds. With the European field and U.S. laboratory evidence already available, independent, third-party peer-reviewed studies need to be conducted in the U.S. to begin examining the effects from radiation on migratory birds and other trust species."

Radiation Impacts and Categorical Exclusions

"There is a growing level of anecdotal evidence linking effects of non-thermal, non-ionizing electromagnetic radiation from communication towers on nesting and roosting wild birds and other wildlife in the U.S. Independent, third-party studies have yet to be conducted in the U.S. or Canada, although a peer-reviewed research protocol developed for the U.S. Forest Service by the Service's Division of Migratory Bird Management is available to study both collision and radiation impacts (Manville 2002). As previously mentioned, Balmori (2005) found strong negative correlations between levels of tower-emitted microwave radiation and bird breeding, nesting, and roosting in the vicinity of electromagnetic fields in Spain. He documented nest and site abandonment, plumage deterioration, locomotion problems, reduced survivorship, and death in House Sparrows, White Storks, Rock Doves, Magpies, Collared Doves, and other species. Though these species had historically been documented to roost and nest in these areas, Balmori (2005) did not observe these symptoms prior to construction and operation of the cellular phone towers. Balmori and Hallberg (2007) and Everaert and Bauwens (2007) found similar strong negative correlations among male House Sparrows. Under laboratory 'conditions, DiCarlo et al. (2002) raised troubling concerns about impacts of low-level, non-thermal electromagnetic radiation from the standard 915 MHz cell phone frequency on domestic chicken embryos – with some

lethal results (Manville 2009). Given the findings of the studies mentioned above, field studies should be conducted in North America to validate potential impacts of communication tower radiation both direct and indirect - to migratory birds and other trust wildlife species."

The full text of the letter, the addendum and citations are available at: <http://1.usa.gov/1jn3CZg>

Cell Tower Health Effects

Monday, August 22, 2016

(The following is linked at <http://www.saferemr.com/2015/04/cell-tower-health-effects.html>.)

Federal regulations protect the public only from the thermal (i.e., heating) risk due to short-term exposure to high intensity, cell tower radiation. The Federal regulations ignore the hundreds of studies that find harmful bio-effects from long-term exposure to non-thermal levels of cell phone radiation.

The Telecommunications Act of 1996 does not allow communities to stop the siting of cell towers for health reasons. Nevertheless, landlords may be liable for any harm caused by cell phone radiation emitted by towers situated on their property.

Localities need to organize and change the Federal law to protect public health and wildlife from exposure to microwave radiation emitted by mobile phone base stations.

Following are some resources regarding the health effects of exposure to cell tower radiation. I will occasionally update this page.

Reviews

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Manville, A. A Briefing Memorandum: What We Know, Can Infer, and Don't Yet Know about Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife — for Public Release. July 14, 2016. <http://bit.ly/savewildlifeRFR>

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Eskander EF, Estefan SF, Abd-Rabou AA. How does long term exposure to base stations and mobile phones affect human hormone profiles? *Clinical Biochemistry*, Volume 45, Issues 1–2. 2012, Pages 157-161. <http://www.ncbi.nlm.nih.gov/pubmed/22138021>

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Resources

Campanelli & Associates, P.C. Cell tower lawyers. <http://www.anticelltowerlawyers.com/>

Center for Municipal Solutions. Excellent resource re: regulation of cell towers & wireless facilities. <http://bit.ly/1GX4mPY>

San Francisco Neighborhood Antenna-Free Union (SNAFU)
<http://www.antennafreeunion.org/neighborhoodaction.htm>

News

Rouhan Sharma. A Towering Problem. *Infrastructure Today*, Feb 2016. <http://bit.ly/1QcHSxO>

Special Correspondent. "Radiation levels of mobile towers should be cut." *The Hindu*. Feb 7, 2016. <http://bit.ly/1Pt5Sck>

"Stating that the current level of radiation (electromagnetic field, EMF) emitted by mobile phone towers was still high, Girish Kumar, Professor, Department of Electrical Engineering, IIT Bombay, on Saturday, urged the Centre to reduce the radiation level further.

The mobile tower radiation had been reduced [in India] from 45,000 milliwatt per square metre to 450 milliwatt a few years ago. It should be reduced to 10 milliwatt, he said"

Note: The FCC allows the American general public to be exposed to up to 5,800 milliwatts per square meter.

Lydia Beyoud. Not All 'Small Cells' Created Equal, Say Municipalities in Wireless Siting Rules Suit. *Bloomberg BNA*. Apr 27, 2015.
<http://www.bna.com/not-small-cells-n17179925917/>

"... the number of small cell and DAS installations is expected to grow exponentially in the next few years. As many as 37 million small cell installations could be in place by 2017, and up to 16 million distributed antenna system (DAS) nodes could be deployed by 2018, according to the FCC."

Joel Moskowitz. Press Release: Cell Tower Radiation Affects Wildlife: Dept. of Interior Attacks FCC. Mar 2014.
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Turin Could Slash Wi-Fi Over 'Radiation' Concerns

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7504/>.)

25 Jul 2016

Turin is planning to cut back on Wi-Fi in state schools and government buildings over concerns that radiation might damage people's health.

Italy could make it legal to grow your own weed (25 Jul 16)

New mayor wants to turn Turin into Italy's first 'vegan city' (21 Jul 16)

The plans were outlined last week as the city's new Five Star Movement (M5S) mayor, Chiara Appendino, presented her council's five-year political plan.

“We're aware that we need to consider electromagnetic radiation when we speak about pollution,” reads page 23 of the council's programme.

“We would like to take all precautions necessary and ask all public structures to work to reduce the volume of emissions and while guaranteeing connectivity for citizens.”

Details of the plans emerge just days after Appendino hit headlines for her proposals to reduce citizen's meat consumption over the next five years, by teaching the benefits of a vegan or vegetarian diet in Turin's schools.

As news of the council's ambitions circulated, Italy's Prime Minister Matteo Renzi couldn't resist the opportunity to mock the M5S over the plans, in a bid to land a blow against his party's main rival at the polls.

“While certain people are out there insisting Wi-Fi is harmful, our government has been busy striking deals with Amazon, Apple and Cisco,” Renzi told reporters on Friday evening, after meeting with Amazon chief Jeff Bezos to discuss a new €150 million Amazon hub in Lazio.

In the wake of criticism, Appendino took to Twitter to defend herself, saying at no point did the council's plans state Wi-Fi emissions were 'harmful'.

While she hopes to get rid of 'superfluous' emissions, Appendino highlighted that the council's plans also promise to 'ensure high speed-broadband was available throughout the city.'

In spite of Renzi mocking the new mayor's proposals, Italian daily Il Fatto Quotidiano reported that Turin's previous council – which was run by his Democratic Party – had tabled an identical plan at a city hall meeting just six months previously.

Although Turin's new proposals may seem severe, one Piedmont mayor went even further last year, when he banned Wi-Fi in his town's schools.

Livio Tola, The MS5 mayor of Borgofranco d'Ivrea, 51 kilometres outside Turin, controversially told the town's high school and elementary school to replace their wireless connections with old fashioned plug-in cables. Story continues below...

The decision came after Tola read a report which said electromagnetic radiation produced by modems was especially harmful to children and adolescents.

There is currently no scientific evidence confirming that the radiation produced by routers is actually harmful to humans. However, The World Health Organization has recognized the "anxiety and speculation" surrounding electromagnetic field exposure.

The possible effects are still being investigated, but some studies have suggested that electromagnetic radiation given off by wireless routers can affect the development of cells in young children.

Scientist Outlines Potential Risks Of JCPL Power Lines

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7497/>.)

"If you live near a high-voltage power line, you're going to be exposed (to radiation). There's nothing you can do unless you move."

By Carly Baldwin (Patch Staff) July 21, 2016

Hazlet, NJ - For several months now, residents of Hazlet, Holmdel and Middletown who live near the proposed route of JCP&L's controversial power lines have been concerned about how radiation from the lines will affect their health. It's a concern JCP&L has downplayed, even presenting their own scientists who told residents their EMF fears are exaggerated.

But on Wednesday night, Dr. David Carpenter, an independent expert in electromagnetic field radiation, told residents they are indeed right to be worried.

"If you live near a high-voltage power line, you're going to be exposed (to radiation) as long as you're in your home. There's nothing you can do unless you move," said Dr. Carpenter. "Should this high-voltage power line be built? I can't answer that, because there may be a demand for that electricity. Should it be built above ground in a densely populated urban area? Absolutely not. You are right to do something about it."

Almost 300 Monmouth County residents gathered at Raritan High School Wednesday night to hear Dr. Carpenter speak. He is a Harvard-education scientist, a professor of environmental health sciences at the University of Albany and has worked with the World Health Organization (WHO) and the New York State Department of Health. He's also served as Dean of the University at Albany School of Public Health. Dr. Carpenter takes questions from the audience as Assemblywoman Amy Handlin stands nearby.

Alzheimer's, leukemia, low sperm count and low-grade headaches a risk from power lines, scientist says
Health risks from electric power lines should be taken seriously, he said.

"There are many sources of electromagnetic field exposure in our lives," Dr. Carpenter began his lecture, pointing out that cell phones, microwaves and even hair dryers all emit minor waves of radiation. "But you can control your exposure to those things. If you live in a house that's less than 100 meters from power lines, you will be exposed to EMF rays 24/7."

Jersey Central Power & Light wants to build ten miles of high-voltage transmission lines along the North Jersey Coast rail line. That's within 200 feet, or sometimes less, of the many homes that dot the track. Dr. Carpenter pointed to several studies, most from Sweden and England, that show an increased risk of Alzheimer's and leukemia from living near power lines. Other people simply report constant low-grade headaches from living near power lines, which sometimes emit a constant buzzing sound.

"Young men should be particularly concerned," said Dr. Carpenter. "There is very strong evidence that electromagnetic field radiation can reduce your sperm count."

Childhood leukemia a serious fear

Children are a particular concern: Children who are exposed to EMF radiation have a higher likelihood of developing childhood leukemia, studies have shown, he said.

"Children are much more vulnerable," to EMF radiation, Dr. Carpenter said. "Studies show 1 in 10,000 children will develop childhood leukemia. Exposure to EMF rays puts that up to 4 in 10,000 children. That's not insignificant, especially if it is your child or grandchild."

A buried transmission line carries almost no EMF rays, he said. "If you have to have a line go through, bury it," he advised.

Dr. Carpenter admitted not all the studies on EMF radiation are conclusive.

"Is the evidence rock solid, 100 percent? No, I wouldn't say that," he said. "But it is enough that people should be informed and be able to protect themselves."

However, "There are almost no studies that don't find evidence of leukemia," he added. Other studies that show no danger from EMF radiation were paid for by utility companies, he said.

State Assemblywoman Amy Handlin, a vocal opponent of the lines who helped bring Dr. Carpenter down to speak, has previously said, "There's never been definitive data that shows they're safe. On behalf of my community, I don't see why we should be guinea pigs," reports the Asbury Park Press.

JCP&L maintains EMF levels from their power lines are safe.

"We had an EMF expert at the Open Houses and will provide testimony as part of our filing with the Board of Public Utilities (BPU) that will include a comprehensive analysis of existing and proposed EMF levels along the project corridor," said JCP&L spokesman Ron Morano in response to Dr. Carpenter. "Again, the project will meet New Jersey electric field guidelines."

Dr. Carpenter said state and federal guidelines are often out of sync with what he thinks are safe levels of EMF exposure. "Governments and agencies often don't get involved due to the high cost of burying the lines," he said.

Cell Radiation

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7511/>.)

July 28, 2016

I used to love my cell phone, until it almost killed me.

I learned the hard way that cell phones/towers transmit harmful microwave radiation, which affects everyone, whether you feel it or not (Canadian doctor Magda Havas shows how it harms your blood, within minutes of exposure: <http://bit.ly/2a8Z5qe>).

For years, I had many disturbing symptoms, which I blamed on other things. But then I got a brain tumour, known to be caused by microwave radiation and I began to do the research.

The electromagnetic radiation bombarding us, 24/7 (from cell phones/towers, Wi-Fi routers, cordless phones, etc.) is causing all kinds of illnesses, neurological disorders, early dementia, cancer, tumours, memory loss, pain, headaches, anxiety, insomnia, infertility, weight gain, thyroid disorders, personality changes and countless other problems. Thousands of Canadians are being affected, with more people falling ill every day as the radiation increases.

I moved to French Creek to escape the excessive radiation in Vancouver, which was making me very ill, only to find that a cell tower may be installed nearby. If that happens, I'll have to move again or I won't survive. If I were your daughter/mother/wife/aunt/sister, would you give up your cell phone for me, if it saved my life?

Please, dear neighbours, don't make the mistake I made. Get the facts before it's too late. Do not believe what some companies say about cell phones/towers being safe. They aren't. And living near a cell tower will not enhance your existence.

Even if you don't feel the radiation, it's still harming you. The scientific proof of this is vast and irrefutable, and it's only a matter of time before your body starts to show the effects. When you discover the truth, you'll realize just how much you've been misled.

OLGA SHEEAN
French Creek

“Dirty Electricity” to be Tackled by FCC

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7512/>.)

Jul. 29, 2016 By Jack O'Dwyer

The Federal Communications Commission is asking for public comment on “unwanted radio frequency from man-made sources,” the technical term for what health advocates call “dirty electricity.”

Dirtyelectricity.ca says such electricity is “a dangerous form of electrical pollution that is invading homes, largely escaping public attention. The poor quality of electric power may be making many of us sick. Homes, schools and workplaces are becoming increasingly contaminated with invisible micro-surges of dangerous radio-frequency radiation.”

www.dirtyelectricity.ca The FCC's Technical Advisory Council is seeking public comments by Aug. 11. It refers to dirty electricity as “noise” and says “the noise floor in the radio spectrum is rising as the number of devices in use that emit radio energy grows.”

It wants to add to available data on the issue “in order to answer important questions regarding this topic.”

Prevention.com/healthyliving asks, “Is Dirty Electricity Making You Sick?”

It says “Too many electromagnetic fields surrounding us –from cellphones, wi-fi, and commonplace technology – may be seriously harming our health.” It provides ways to minimize exposure.

Cars Can Make You RF Sick

Under study by the FCC are RF sources such as electric motors, light dimmers, switching power supplies, utility transformers, power lines, computers and electronic devices, high efficiency lights, cellphones and base stations, wireless routers, Bluetooth devices, microwave ovens and arc welders.

Electricalpollution.com says “Many with RF sickness have trouble with cars due to conducted and radiated RF from components not designed to minimize RF emissions sufficient to protect human health.”

Such sources are said to include the alternator, spark plugs and distributor, fuel pump, air conditioning compressor controls, ignition switch, radio systems, and electronic displays.

“Availability of stripped down properly designed car models should allow people with RF sickness to use a car again,” it says.

Non-U.S. Countries Tackle EMF

Health advocates say members of the European Union have led the way on EMF investigations, moving to protect their citizens, particularly children and pregnant women.

In the past two years, France, Germany, and England have dismantled wireless networks in schools and public libraries, and other countries are pressing to follow suit. Israel has banned the placement of cellular antennae on residences, and Russian officials have advised against cell phone use for children under 18.

Electrical hypersensitivity (EHS) is becoming more widespread, say the advocates.

Symptoms include fatigue, facial irritation (resembling rosacea), tinnitus, dizziness, and digestive disturbances, which occur after exposure to visual display units, mobile phones, Wi-Fi equipment, and commonplace appliances. Up to three percent of all people are said to be clinically hypersensitive and as many as one-third have EHS to a lesser degree.

"For the first time in our evolutionary history, we have generated an entire secondary, virtual, densely complex environment – an electromagnetic soup – that essentially overlaps the human nervous system," says Michael Persinger, PhD, a neuroscientist at Laurentian University who has studied the effects of EMFs on cancer cells."

“And it appears that, more than a century after Thomas Edison switched on his first light bulb, the health consequences of that continual overlap are just now beginning to be documented,” he adds.

France's National Health Agency Calls For Reducing Children's Wireless Exposures

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7513/>.)

France's National Health and Safety Agency Calls For Reducing Children's Wireless Exposures: ANSES 2016 Report

France's National Health Agency Calls For Reducing Children's Wireless Exposures

Hazards of Cell Phones, Wireless Devices, Etc – Book Three 209

September 17, 2016

The National Agency of Health Security of Food, Environment and Labour Report

All wireless devices, from tablets, remote controlled toys, wireless toys, baby monitors, and cell phones should be subjected to tighter regulatory limits.

On July 8, the French National Agency of Health Security of Food, Environment and Labour (ANSES) published a new scientific report “Radiofrequency Exposure and the Health of Children”.

Concluding that children are more vulnerable to radio frequency (RF) wireless exposures, the French report recommends immediately reducing exposures to wireless radiation from all wireless devices for young children. Acknowledging the inadequacies of current outdated RF regulations, ANSES recommends strengthening RF exposure limits with child protective safety margins and developing more sophisticated premarket test methods to fully assess human exposures to RF radiation from wireless devices. The new report has made headlines across the country.

Report States Children Exposed More and Early

“Unlike previous generations, children are exposed today to multiple RF sources at a young age...Children are not miniature adults...because of their smaller size, their anatomical and morphological characteristics and the characteristics of some of their tissues, they are more exposed. In particular, the peripheral areas of their brains are more vulnerable than adults to RF.”

—Olivier Merkel, coordinator of the ANSES report:

This French national report affirms recent EHT publications showing greater absorption and vulnerability of the young to cell phone radiation. IEEE/Access: Dosimetric Simulations of Brain Absorption of Mobile Phone Radiation: the relationship between psSAR and age.

Recommendations of the Agency

The government agency recommends to “reconsider the regulatory exposure limits” to ensure “sufficiently large safety margins” to protect the health of young children:

All wireless devices, including tablets, cordless phones, remote controlled toys, wireless toys, baby monitors and surveillance bracelets, should be subjected to the same regulatory obligations as cell phones.

Compliance with regulatory exposure limits should be ensured for the ways that devices are customarily used, such as positioned in contact with the body.

Exposure limits for radiofrequency electromagnetic fields should be tightened to ensure sufficiently large safety margins to protect the health and safety of the general population, particularly the health and safety of children.

Reliance on the specific absorption rate (SAR) to set human exposure limits should be re-evaluated and replaced through the development of an indicator to assess real exposures for mobile phone users that applies to various conditions: signal type, good or bad reception, mode of use (call, data loading, etc.), location device is used on the body.

ANSES reiterated its recommendation, as previously stated, to reduce exposure to children: minimize use and prefer a hands-free kit.

Scientific Research Substantiates France's Expert Recommendations

“For several decades, my research and that of many others has shown that children and smaller adults will absorb relatively more radiation from mobile devices. Unfortunately, proper research on long-term use has not been done to determine the full health impacts on children. I am one of many researchers who strongly recommend strengthening current regulations to protect children,” stated EHT advisor Om Gandhi of the Department of Electrical and Computer Engineering, University of Utah, who has published multiple research studies indicating that children absorb radiation deeper into their brains than adults.

“Coming on the heels of the U.S. government study showing increased risks of rare tumors of the brain and heart tied with wireless radiation in rats, this new French government report provides a welcome reminder of the importance of protecting young brains and bodies. The absence of proof of harm in our children at this time should not be confused with evidence of safety,” added Devra Davis PhD MPH, FACE, Visiting Professor of Medicine, The Hebrew University and President of Environmental Health Trust. “We cannot afford to treat the young as subjects in an experiment for which we will soon have no unexposed control group,” she added.

“Our published research on cell phones but also tablets and laptops indicates that equivalent exposures to radio frequency results in different doses to specific tissues in children compared with adults. The wireless device certification process should be complemented with a computer simulation process using anatomically based models of different ages,” stated Professors Claudio Fernandez and Alvaro de Salles, EHT Advisors from the Electrical Engineering Departments of the Federal Institute and University of Rio Grande do Sul, IFRS and UFRGS, Brazil.

Over Twenty Governments Have Enacted Protective Policy

France previously enacted highly protective laws in regards to radiofrequency exposures. Wi-Fi is banned in kindergarten and OFF is the default setting in elementary schools (unless if specific classroom instruction requires it during certain time periods). French national law also addresses cell tower emissions compliance and labels Wi-Fi transmitters in public spaces. French cell phone legislation bans cell phones for young children, mandates SAR labeling, and requires that all cell phones are sold with headsets. This new report calls for tightening regulations even further in light of findings that children experiences serious learning and other problems tied with wireless exposures. Over twenty countries and governments have enacted various protective policies to reduce radiofrequency exposure to children.

ANSES also called for more research evaluating the health and psychosocial impact (academic learning, social and family relationships, etc.) in children, related to the use of mobile communication technologies, particularly because of addictive phenomena, disorders in circadian rhythms, etc. The Agency advises parents “to minimize their children’s mobile phone use, avoid nighttime communications and reduce the frequency and duration of calls”.

ANSES Press Release and Report Media Headlines

Le Monde France: Warning about the dangers of radio frequencies for children

Mobile phones, digital devices may harm your kid’s attention span

CNET And radiofrequency waves: caution with children, said ANSES

List of New Report Headlines on the ANSES Report.
Research

IEEE/Access: Dosimetric Simulations of Brain Absorption of Mobile Phone Radiation: the relationship between psSAR and age

Children Absorb Higher Doses of Radio Frequency Electromagnetic Radiation From Mobile Phones Than Adults

Specific Absorption Rate (SAR) in the head of Tablet users

International policy and advisory response regarding children's exposure to radio frequency electromagnetic fields (RF-EMF)

Exposure limits: the underestimation of absorbed cell phone radiation, especially in children
Policy

List of International Policy on Children and Radiofrequency Fields

Oceans' Changing Electromagnetic Environment a Killing Field for Mammals

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7513/> and then

http://www.wakingtimes.com/2016/07/22/oceans-changing-electromagnetic-environment-killing-field-for-mammals/?utm_source=Waking+Times+Newsletter&utm_medium=email&utm_campaign=8d71cc789a-RSS_EMAIL_CAMPAIGN&utm_term=0_25f1e048c1-8d71cc789a-54332401.)

By Waking Times July 22, 2016

Our oceans are fast becoming a killing field for many marine mammals and other sea dwellers. Beachings are occurring with more frequency than ever. Mass fish kills are a common occurrence. Scientists are calling this the "Sixth Great Extinction Event". Yet, few are correlating these changes to increases in energy and perturbations in the electromagnetic spectrum. Modern technology is having a profound impact on marine life, the likes of which hasn't been witnessed by modern man.

In order to understand why our oceans are highly susceptible to electromagnetic radiation (EMR), it's important to know the characteristics of EMR in water.

"Electromagnetic propagation through water is very different from propagation through air because of water's high permittivity and electrical conductivity. Plane wave attenuation is high compared to air, and increases rapidly with frequency. With a relative permittivity of 80, water has among the highest permittivity of any material and this has a significant impact on the angle of refraction at the air/water interface."

"Conductivity of seawater is typically around 4S/m, while nominally 'fresh' water conductivity is quite variable but typically in the mS/m range. Attenuation of electromagnetic signals is much lower in fresh water than in seawater, but fresh water has a similar permittivity. Relative permeability is approximately 1, so there is little direct effect on the magnetic field component. Loss is largely due to the effect of conduction on the electric field component. Propagating waves continually cycle energy between the electric and magnetic fields; hence conduction leads to strong attenuation of electromagnetic propagating waves." [Source is <https://www.hydro-international.com/content/article/underwater-electromagnetic-propagation>]

Marine mammals are experiencing an onslaught of attack from many sources. The military admittedly kills millions of cetaceans by sonar, seismic, and electromagnetic technology. The estimated audible range for all cetaceans is between 7 Hz and 180 kHz.

“Unfortunately for many whales, dolphins and other marine life, the use of underwater sonar (short for sound navigation and ranging) can lead to injury and even death. Sonar systems – first developed by the U.S. Navy to detect enemy submarines – generate slow-rolling sound waves topping out at around 235 decibels; the world’s loudest rock bands top out at only 130. These sound waves can travel for hundreds of miles under water, and can retain an intensity of 140 decibels as far as 300 miles from their source.”

“These rolling walls of noise are no doubt too much for some marine wildlife. While little is known about any direct physiological effects of sonar waves on marine species, evidence shows that whales will swim hundreds of miles, rapidly change their depth (sometime leading to bleeding from the eyes and ears), and even beach themselves to get away from the sounds of sonar.” [Source is <http://www.scientificamerican.com/article/does-military-sonar-kill/>]

Whales and other marine species use the Earth’s Geomagnetic Stress Lines (GSLs) to navigate/migrate. These GSLs correlate with the Earth’s magnetic field and are a naturally occurring phenomena used by many species for this purpose. During geomagnetic storms, the GSLs may change drastically. These rapid changes are the primary cause of stranding and poor navigation.

“The beaching and stranding of whales and dolphins around the world has been mystifying scientists for centuries. Although many theories have been proposed, few are substantiated by unequivocal statistical evidence. Advances in the field of animal magnetoreception have established that many organisms, including cetaceans, have an internal ‘compass,’ which they use for orientation when traveling long distances.”

“Astrobiology involves not only the origin and distribution of life in the universe, but also the scientific study of how extraterrestrial conditions affect evolution of life on planet Earth. The focus of this study is how cetacean life is influenced by disturbances in its environment that originate from an astrological phenomenon – in the present study that involves solar flares and cetacean beachings. Solar storms are caused by major coronal eruptions on the Sun. Upon reaching Earth, they cause disturbances in Earth’s normally stable magnetosphere. Unable to follow an accurate magnetic bearing under such circumstances, cetaceans lose their compass reading while travelling and, depending on their juxtaposition and nearness to land, eventually beach themselves.

(1) This hypothesis was supported by six separate, independent surveys of beachings: (A) in the Mediterranean Sea, (B) the northern Gulf of Mexico, (C) the east and (D) west coasts of the USA and two surveys (E and F) from around the world. When the six surveys were pooled (1614 strandings), a highly significant correlation ($R^2 = 0.981$) of when strandings occurred with when major geomagnetic disturbances in Earth’s magnetosphere occurred was consistent with this hypothesis.

(2) Whale and dolphin strandings in the northern Gulf of Mexico and the east coast of the USA were correlated ($R^2 = 0.919$, $R^2 = 0.924$) with the number of days before and after a geomagnetic storm.

(3) Yearly strandings were correlated with annual geomagnetic storm days.

(4) Annual beachings of cetaceans from 1998 to 2012 were linearly correlated ($R^2 = 0.751$) with frequency of annual sunspot numbers. Thus, consistently strong statistical correlation evidence indicates that an astronomical phenomenon – solar flares – can cause cetaceans to change their behavior and become disoriented, which eventually causes them to swim onto a shore and beach themselves.” [Source]

These correlations between geomagnetic storms and beachings fail to mention man-made perturbations of the Earth's Ionospheric layers. The geomagnetic field of Earth can be perturbed via ionospheric heaters. These heaters modulate an Alfvén wave resonance in the Earth's Ionosphere, precisely as witnessed during increased solar activity.

“Ionospheric heaters located in Polar Regions (EISCAT, HAARP, HIPAS) have been used extensively to generate electromagnetic waves in the ULF/VLF/ELF frequency range and this concept has been referred to as the Polar Electrojet (PEJ) antenna. A major problem with the PEJ is its reliance on the presence and strength of the electrojet current. This restricts not only the location of the heater but makes their generation highly unpredictable. A new concept of using HF heating to generate a virtual antenna in the ionospheric Hall region at ULF/ELF frequencies without relying on the existence of electrojets, was advanced recently by Papadopoulos et al. (2010). The current drive and the creation of a virtual ELF antenna are accomplished in two steps. First, F region heating generates a diamagnetic current with a field aligned magnetic moment. Second, the electric field of the magnetosonic wave radiated by the F region magnetic moment drives a Hall current when it reaches the bottom of the ionosphere.” [Source is <https://www.cambridge.org/core/redirect-support>]

In light of the roll out of 5G cellular technology and proposed Wi-Fi on board satellites, mankind will face serious consequences for our ignorance in utilizing unnatural vibrations. Nature took millions of years to establish what mankind has thrown into chaos in less than 100.

While we contemplate our need to advance technology and control of our EM spectrum, perhaps we should step back and examine the consequences of our actions. Our planet is suffering an ‘Extinction Level Event’. Do we have the will to stop it? Or will our children be the last to witness the breaching of a Humpback in Arctic waters?

Christopher Fontenot is the editor of A Microwaved Planet.

Did this Smart Meter Cause a Stroke?

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7513/>.)

Hello, I had a diagnosed stroke in June 2012. I woke up with seeing an orange colored perfectly straight line between my eyes and very fatigued. The day before I was in the back yard with family members and we were removing a snake from next to the house. I was standing on top of a cinder block while my son directed the snake towards me. The smart meter was about 8 inches from my head so it made me look up directly at it for a second or 2. I believe it was that moment when the signal entered my left eye. The image the neurologist showed from the MRI was enlarged and put on the large screen. The damaged appeared to be perfectly straight. I now believe that the magnetic inserts in my boots is why the signal entered my eye. I think this warrants more study as the magnetic pulse and the strength of the signal does give merit to my theory. If you know of a trustworthy neurologist I can send the MRI CD to for an independent study of my theory I would like to pursue it. Please respond with feedback as this should not be overlooked. Thank you kindly in advance!

Josh

An Electronic Silent Spring July, 2016 Newsletter from Katie Singer

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7516/>.)

Twenty years ago, during Bill Clinton's presidency and Reid Hunt's chairmanship of the FCC, the U.S. Congress passed the Telecommunications Act of 1996 (the TCA). Section 704 prohibits environmental and health concerns from interfering with the placement of telecom equipment.

Regardless the public's awareness of this federal law, we all live downwind of it. Here are some recent e-developments. --Katie Singer

FCC Commissioners voted unanimously in favor of the Spectrum Frontiers Proceeding on July 14, 2016. This vote gives the FCC authority to allocate (rent) 5G (5th generation) bandwidth.

What is 5G? Some mobile devices are now labeled "5G." In this case, the "G" refers to gigahertz (GHz). These devices' Wi-Fi and Bluetooth may operate at 5 GHz, or five billion vibrations per second.

Spectrum Frontiers allows the FCC to allocate (rent) 5th generation of mobile operations, With 1G, mobile devices could transmit voice. 2G allowed talk and text. 3G let mobile devices connect to the Internet. 4G enabled higher speeds and video downloads.

Currently, with 4G, Verizon does not have enough bandwidth for its customers to download more than one DVD per day. With 4G, downloading a feature-length movie can take eight minutes. With 5G, you could download the same movie in less than five seconds.

According to FCC Chair Tom Wheeler, 5G will provide speeds 10 to 100 times faster than 4G speeds. With 5G, "autonomous vehicles will be controlled in the cloud. Smart-city energy grids, transportation networks and water systems will be controlled in the cloud. Immersive education and entertainment will come from the cloud." 5G could allow surgeons to perform surgery remotely. It will "unleash new waves of innovation and discovery that we are yet to imagine."

How will 5G be deployed? 5G will operate by millimeter waves (mmW). These are very short microwaves. According to Wheeler, mmW signals "tend to travel best in narrow and straight lines, and do not go through physical obstacles very well. This means that...5G buildout is going to be very infrastructure intensive, requiring a massive deployment of small cells."

Dr. Gary Olhoeft, professor emeritus of geophysics at the Colorado School of Mines, explained mmW and 5G infrastructure another way: "Say you put a frozen chicken into a microwave oven, which operates at 2.45 GHz. You'll cook the whole chicken. If you put a frozen chicken into an oven operating in the millimeter range, you'll boil off its skin. The meat under the skin will not cook, because millimeter waves will not penetrate past the surface. Likewise, 5G bands will not penetrate buildings made of concrete and rebar or adobe and chicken wire. They could penetrate wood and windows. To access 5G effectively, we'll need transmitters on every utility pole, possibly every building, possibly more than one transmitter per building."

Some airport full body scanners operate with mmW imaging technology. The scanner highlights a person's "generic outline" onto a monitor. While the TSA claims negligible risk from these scanners, mmW technology is also used to treat some skin cancers.

What is the basic motivation behind deploying 5G? At a recent technical meeting of the IEEE Communications society, at the Univ. of Colorado/Boulder, Dr. H. Anthony Chan of Huawei Technologies was asked this question after a lecture about 5G. He replied, "If technology does not change, the company will die.... People must buy a new phone."

5G will likely increase cell phone bills – and provide new revenue sources for mobile carriers.

How does mmW technology affect living creatures? For the most part, we don't know, since 5G is largely untested. In the Air Force's Radio Frequency Radiation Dosimetry Handbook, 5th Ed., 2009, the chapter "Responses to RF Overexposures" reported that a study of the millimeter frequency 94GHz found effects on the surface of the eye. These effects are "highly dependent on energy density and, because the effective stimulus is joule heating, exposure duration is very important" (emphasis added). With ubiquitous, dense deployment of 5G transmitters, living creatures may not be able to shorten the duration of their exposure.

Since insects, including bees, are tiny, might they be especially impacted by 5G's millimeter waves? How will 5G affect sleep, sperm, pregnant women, infants, children, people with implants, rooftop workers? Will 5G antennas and devices affect rates of autism, ADHD, Alzheimer's, depression, skin cancer, vision problems including cataracts, tech-addiction? For now, these are unanswered questions. Further, the Spectrum Frontiers does not designate any agency to test or regulate 5G for biological safety. It will allow industry to define 5G's intensity, amplitude and duration, as well as its specific absorption rate. While the FCC is responsible for overseeing the safety of radiofrequency emissions, Chair Tom Wheeler has clarified that "we" will "stay out of the way of technological development, since "turning innovators loose is far preferable to expecting committees and regulators to define the future."

It's worth noting that the FCC has typically not enforced its emission standards on existing cellular antennas. See "Americans Beware," a 2013 study conducted by the Electromagnetic Radiation Policy Institute of 600 cell tower sites around the U.S.

Did the FCC conduct a NEPA (National Environmental Protection Act) assessment before it voted to permit the Spectrum Frontiers? No.

Isn't this grounds for a lawsuit? Yes. However, in the event that a court required the FCC to conduct a NEPA review, it (FCC) would conduct the review. We can predict that they'd find no environmental reasons to prevent 5G deployments. Further, scientists cannot study what does not exist.

How much electricity will 5G require, and how will this usage impact climate change? Isn't reducing our energy use and climate change impacts a greater "national priority" than 5G? In 2015, the single largest category on YouTube was cat videos. Perhaps, if the public learned this and committed to a moratorium on cat videos, we could begin to reduce our energy use...and open so much 4G bandwidth that we wouldn't need 5G?

For more information about 5G, please see applied physicist Dr. Ronald M. Powell's Comments on Proceedings 14-177, 15-256, 10-112 and 97-95.

<http://www.electronicssilentspring.com/wp-content/uploads/2016/07/Ron-Powell-Comments-on-5Gpdf.pdf>

Also on July 14, 2016, FCC Commissioners voted to support the transition toward "sunset" of landlines and replace these with cell phones and voice over Internet protocols such as Magic Jack or Skype. Commissioners seem oblivious to the fact that during a power outage, only landlines work and that some people (pregnant women, children, people with medical implants) may use corded landlines, not cell phones or VoIPs, to protect their health.

Health issues downwind of cell phones

* Consider Dr. Ron Melnick's correction of the NY Times article about the National Toxicology Program's finding that cell phone radiation significantly increases brain cancer risk.

* In Sweden and other Nordic countries, the incidence of thyroid cancer has increased. Scientists postulate that increased exposure to cellphone and cordless phone radiation over time may contribute to this trend.

* China now has a visual health crisis. According to a recent Nomura research report, issued by Peking University's China Center for Health Development, 47% of Chinese children ages 6 to 15 and 55% of 16 to 25-year-olds suffer from myopia (nearsightedness). An academic study from the Australian National University estimated that the prevalence of myopia in 20-year-olds has reached 80% in developed Asia. In the U.S. and Europe, the rate is closer to 50%, twice the rate of 50 years ago. According to Nomura, urbanization, sedentary lifestyles, the prevalence of smartphones, "the intensity of near-range work and the decreasing intensity of outdoor activities" contribute to this crisis.

School starts soon

* While our FCC has not addressed the effects of EMR exposure on wildlife or anyone's health, France continues to create policies that limit children's EMR-exposure from wireless devices.

* In "The Hidden Marginalization of Persons with Environmental Sensitivities," Dr. Pam Gibson, Prof. of Psychology at James Madison University, wrote about the "generational slide in the acceptance of unreal environments." Some researchers find children who may perceive "that all life is machines or that people comprise the only living things."

* As a new school year begins, let's call for balancing technology use with outdoor activities, movement and time without electronics. For more resources in this arena, visit www.parentsforsafetechnology.com and www.zonein.ca. See the Washington Post's story about cursive handwriting making a comeback. Among other things, learning cursive improves spelling and comprehension, helps children generate ideas and develop fine motor skills.

* Let's teach children how to disable Bluetooth.

* "Calming Behavior in Children with Autism and ADHD," my report on pediatrician Toril Jelter, MD's free protocol to reduce children's EMR exposure, is published in the current issue of Wise Traditions, the journal of the Weston A. Price Foundation.

* Canadians for Safe Technology has started a major campaign targeting parents who are not told about the dangers of exposing children to EMR from wireless devices. Could <http://www.MomsWhoCare.ca> be a model for parents in the U.S.? For more info, go to <http://www.facebook.com/MomsWhoCareCanada>

Are workers now routinely subject to unexpected EMR-exposure?

Also, several years ago, Warren Philipps, an insurance adjuster from Central Mutual Insurance Co., prepared a video for workers (including electricians, building maintenance people, electricians and firefighters) that is still worthwhile: "Radiofrequency Exposure: Potential Dangers."

The July, 2010 issue of Risk Management Magazine published "Radiofrequency Radiation: The Invisible Threat," which also focused on rooftop workers' exposure.

Smart Meters

* Often, ratepayer who "opt-out" of "smart" transmitting meters receive digital meters that do not emit radiofrequencies (RFs). Unlike analog-mechanical meters, digital meters (and digital-transmitting meters) have switch-mode power supplies (SMPs) that generate dirty electricity. Prevention magazine has written about the dangers of exposure to dirty electricity.

* PNM, New Mexico's largest utility, recently proposed installing "smart" meters. I am "intervening" in this process with Citizens for Fair Rates and the Environment, a group based in Silver City. My testimony reports on a) the ways that smart meters' design flaws and flawed installation practices cause fires; b) former CIA Director James Woolsey and others calling the "smart" grid "really really stupid" because it leaves our power grid so vulnerable to cyber attacks; and c) "smart" deployments cost way more than estimated. For testimony from Citizens for Fair Rates and the Environment, including witnesses Katie Singer, telecommunications engineer Dr. Timothy Schoechle and insurance adjuster Norman Lambe, click here.

Energy Use & Wildlife

* By 2040, computers will use more electricity than the entire world can generate.

* A federal appeals court has ruled that since the US Navy's sonar levels may harm whales and other marine mammals, it must scale back low-frequency sonar in the Atlantic, Pacific and Indian Oceans as well as the Mediterranean Sea.

* Biologist Dr. Al Manville has a new paper, "A Briefing Memorandum: What We Know, Can Infer, and Don't Yet Know about Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife."

Dirty Electricity & Ground Current

* The FCC has opened a docket to look at "dirty" electricity and sources of radiated RF from electronics. Catherine Kleiber, webmaster for www.electricalpollution.com, encourages people to write the FCC by August 11, 2016, with a brief description of how "dirty" electricity affects your health and a request that new standards be set to prevent health effects.

* Dr. Magda Havas has posted a series of education videos about ground current pollution in rural and urban areas.

Quedraogo-Kofi-Alwudu, an artist from Burkina Fasso, makes these sculptures (see photo below) to encourage girls' literacy. Could they encourage a return to reading books? kofispace.blogspot.com

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Thanks to everyone who uses electronics as safely as possible, reduces their electronics usage and EMR-emissions.

To healthier ecosystems and communities,

Duke Energy Proposes \$150 Opt-Out Fee To Customers Who Don't Want A Smart Meter

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7523/>.)

(The following article appeared in the August 3, 2016 issue of The News & Observer, Raleigh, North Carolina.)

A meter reader reads a customer's electric meter and keys the information into a handheld computer. Duke Energy wants customers who don't want a smart meter to pay a \$150 one-time fee and \$11.75 a month to cover the costs of manual meter reading.

By John Murawski

In the midst of a years-long rollout of smart meters in North Carolina, Duke Energy is proposing charging \$150 to customers who don't want the meters.

These customers say the radio frequency emitted by the meters causes headaches, dizziness, ringing of the ears, memory loss and "brain fog." The Charlotte-based power company expects that only a tiny contingent of its customers will request an alternative, but that group is objecting loudly to the meter installations and to any fees charged to avoid them. The N.C. Utilities Commission has received about 80 emails and letters urging the commission not to let Duke Energy charge the extra fees.

North Carolina's smart meter opponents have enlisted support from a number of sympathetic advocates, too, including the Maine Coalition to Stop Smart Meters, as well as a group of academics and physicians from Harvard Medical School, University at Albany and Washington State Department of Health.

"There's absolutely no justification at all for these fees," said Duke customer Laura Combs. "Show me justification why you should make a little more profit at the cost of people's health."

Combs, who lives in Raleigh, is a customer of Duke Energy Progress, which, along with Duke Energy Carolinas, is planning to hook up 3.2 million customers in the state to smart meters. Combs – who has a master's degree in urban and regional planning – says she suffers from electromagnetic hypersensitivity induced by smart meters, cellphones, wireless routers and Wi-Fi signals.

"They will be saving money through the implementation of smart meters," Combs said. "Their vehicle and personnel costs will be reduced, so why charge people when your costs are going down for the company?"

Duke has already connected about 670,000 customers to smart meters and wants non-cooperating customers to cover the costs of being exempted from the program. Smart meters transmit usage data continuously and allow for more precise monitoring of household power consumption patterns.

"We want to make sure that all customers aren't penalized for the costs of something requested by a handful of customers," said Duke spokeswoman Paige Layne. "We're going to have to find analog meters and purchase them. I don't know if we even have an analog meter out in the field."

In its Friday filing with the N.C. Utilities Commission, Duke says it plans to replace current 'drive-by' meters, which can be read from a passing vehicle, with smart meters that can be read from a central office. An analog meter, however, will have to be read manually by a meter reader.

The N.C. Utilities Commission will next decide on a schedule to review Duke's proposal and also if the issue requires a public hearing. Duke is requesting a one-time fee of \$150 to cover the costs of meters and installation, and \$11.75 a month to cover the costs of manual meter reading.

The Public Staff, an agency that represents the public in utility rate cases, is reviewing the case and will also weigh in.

"Duke is certainly willing to accommodate their customers' desire to have a different meter," said James McLawhorn, who directs the Public Staff's electric division. "The question is who should pay for it, and how much they should pay."

McLawhorn said the issue will likely be decided by several criteria: Whether the customer requests are causing an expense for the utility, and whether the exemption the customers are requesting falls outside the realm of normal utility service.

Local opponents say four states don't charge fees to customers who prefer an old-fashioned utility meter, but instead spread the costs across all their customers.

A similar issue played out for Duke in Ohio this year. In April, the Ohio Public Utilities Commission approved a one-time opt-out charge of \$100 and a monthly meter-reading fee of \$30 for customers who don't want smart meters.

The Ohio commission rejected a recommendation from staff for a \$38 one-time fee and a \$24 monthly charge. But the Ohio commissioners also rejected Duke's proposal – a one-time fee of \$126.70 and a monthly charge of \$40.63.

In this state, the Department of Health and Human Services reviewed research and concluded last year that smart meters don't pose a health risk: "This is consistent with the conclusions of other organizations, including the National Cancer Institute, the Centers for Disease Control and Prevention, and the World Health Organization."

Smart meter foes have counterattacked.

"I consider proliferation of wireless emissions to be the most serious toxic contamination threat of our time," wrote the Maine Coalition to Stop Smart Meters spokesman, Ed Friedman. "It quite simply is everywhere and effects [sic] humans, wildlife and seemingly plants."

"I feel we are headed towards an electronic silent spring," Friedman wrote. "One should at least be able to find protection in one's home."

The physicians and academics from Harvard and elsewhere expressed alarm Tuesday about smart meters' emission of radio frequency radiation, or RFR.

"Smart meters, along with other wireless devices, have created significant public health problems caused by the RFR they produce, and awareness and reported problems continue to grow," the group wrote. "The adverse health impacts of low intensity RFR are real, significant and for some people debilitating."

An MRI Radiologist on Non-Ionizing Radiation Health Threats

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7523/>.)

This is the comment left BELOW the article:

Larry Burk · Writer at Larry Burk, MD

As a radiologist specializing in MRI, I have made my living for 30 years reading scans produced by the non-thermal effects of short-term exposure of the human body to RF and EMF. These dramatic pictures are generated from resonant interactions with the hydrogen protons at the cellular level below the thermal threshold. As a member of the National Safety Committee for MRI from 1987 to 1994, I began investigating potential health effects of these fields and determined that there is little evidence for hazard related to short-term exposures such as those experienced by patients in MRI.

However, I subsequently joined the Bioelectromagnetic Society and discovered there was an entire academic discipline devoted to studying the effects of long-term exposure to these fields which was largely unknown to most physicians and electrical engineers. These scientists, many of whom now participate in the IARC, found rigorous and repeatable evidence for non-thermal physiological effects and hazards including potential carcinogenicity. The initial data were limited to power lines and radar, but have now expanded exponentially to include cellphones, Wi-Fi, and smart meters.

The situation with smart meters reminds me of the early days of radiation safety when the short-term clinical use of X-rays for patients seemed to have no downside. It wasn't until the 1930s, 40 years after Roentgen's discovery, that radiologists started to report the long-term effects of chronic exposure. These early radiologists, feeling falsely reassured by the lack of apparent effects on patients, would focus the beam by putting their own hands in it. When enough radiologists lost fingers due to radiation damage and developed leukemia and other blood diseases, radiation protection policies were implemented.

I'm afraid we are in serious danger of making a similar mistake with regard to RF/EMF long-term exposure safety issues. This analogy is particularly pertinent now that actual DNA damage has been documented by Dr. Henry Lai in the Bioinitiative 2012 report. For that reason the systematic review below by Anke Huss et al. in 2007 showing that the studies funded by industry were far less likely to find evidence of hazard than those funded by public agencies or charities is particularly important.

North Carolina is no stranger to the concept of industry influence and bias with regard to research results, as the denial of tobacco health hazards is still a shameful legacy. It was made very clear that tobacco executives were quite aware of potential lethal risks due to their products and actively covered them up, and I think there is reason to believe that the same holds true for this industry. Let's make a more responsible choice here in our state this time and prevent Duke Energy from charging a fee to people who refuse smart meter installation or who wish to replace their smart meter with an analog meter.

<http://www.newsobserver.com/news/business/article93551722.html>

Prof Trevor Marshall Aug 4

The reason that Science has found it difficult to measure any specific threshold at which Biology becomes affected by microwave radiation is that there is no real 'threshold'. Damage begins at the very low levels near Boltzmann thermal noise – lower than we can easily measure – and the interference with protein and molecular interactions increases as the photon flux increases (as the field strength increases). At an Electrosmog level equal to the Bioinitiative 2012 recommendation of -47dBm, a flux of around 5 million microwave photons are passing through our bodies. Each only carries an energy of a few micro-electron Volts (ueV), but cumulatively they have easily enough energy to upset nearly all human metabolism.

Human proteins are resonant, and my recent paper showed that this resonance is what is most easily disturbed by the microwave photon flux. This resonance explains why certain types of signals with fast-varying frequency content (such as pulsed 4G signals) are more disruptive than continuous wave signals. This is why the therapeutic microwave medical devices (from Eastern Europe) often use a noise-based millimetre signal source.

I tried to avoid talking about Quantum Physics in the paper, as its target audience was physicians, but did mention that Lorentz described this 'Lorentz Force' in the 19th Century. Albert Einstein's 1905 paper "On the Electrodynamics of moving bodies", which formed the basis of Special Relativity, enlarged on our quantum understanding of how EM fields affect the moving charges in proteins and metabolites.

Papers such as "Quantum Criticality at the Origin of Life" augment the citations I gave in our paper. There is a short video by the great physicist Richard Feynman explaining the cumulative effect of low-energy microwave photons which can be found on our Foundation's YouTube channel at <https://www.youtube.com/watch?v=Am1bqX8nQCE>

There is really nothing new in the Science, there are just so many disciplines involved. The university environment in Russia and Eastern Europe has fostered multi-disciplinary academia more than the West, and that is why much of the basic understanding of interaction between electromagnetic waves and biology can be found there, if you go back several decades. Nothing new, but as Larry Burk says, we are now waking up to the dangers...

Hope that helps,
Sincerely,
Trevor

My Electro-Sensitivity Hell

(The following is linked at <http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7528/>.)

Dónal Nolan

Could our growing dependence on technologies utilizing higher and higher frequency radio waves and electromagnetic fields (EMF) to transmit information be damaging our health?

There's at least one section of our community not joining in the frantic clamor for high-speed broadband at present. It's not that they don't want the economy to grow and public services to benefit from faster internet connections.

It's just that the cost to their health of all this rapidly-proliferating telecommunications and electrical technology is already too great a price to pay.

Although not yet a medically-recognized condition, an estimated one per cent of the population believe they suffer from Electromagnetic hypersensitivity (EHS or ES). Stinging eyes, all-encompassing fatigue and debilitating sensations clouding the head are among the most common symptoms reported by self-professed EHS sufferers.

And their symptoms are getting worse. At nearly 80, Rathmore woman Delia O'Brien has witnessed her fair share of technological progress, but only in recent decades has her health started to suffer at an increasing rate.

She's now on a one-woman campaign to raise awareness of what she sees as the very real threat to our health of our growing dependence on technologies utilizing higher and higher frequency radio waves and electromagnetic fields (EMF) to transmit information with seemingly every passing year.

Her concern over the powerful tech is two-fold: There's the impact on her own health as someone who is ES, but there's also what she fears is the stealthier impact on the health of the wider population from proliferating radio signals.

"It's not an easy thing to convince people about," Delia told The Kerryman.

"As someone with ES it is getting so bad for me now that to get to Killarney I have to drive via Knocknagree and Gneeveguilla to avoid masts and I daren't go near the town centre anymore – with the EMF generated by masts, CCTV and all these devices today."

She's been trying to convince successive Irish governments for years of the threat to the general population she sees, having written to everyone from John Gormley to Taoiseach Enda Kenny, Jan O'Sullivan and, most recently, Minister for Communications Denis Naughten. "The World Health Organization (WHO) International Agency for Research on Cancer has classified radio-frequency electromagnetic fields as Group 2B, meaning they are possibly carcinogenic to humans, a classification that applies to all RF-emitting devices, including Wi-Fi."

Public health concerns over the effects of the emerging wireless technologies are not new, just witness the controversy over the one-km rule. Her fears were heightened after a chance meeting with a man at the Coolwood recycling facility outside Killarney recently.

"I would love to hear from him again as I never got his name, but he informed me how his father had passed away from leukemia, one of three to die from the disease in their locality where masts are present," she said.

As someone deeply sensitive to EMF, Delia looks on herself as something like a canary in the mine for the wider populace – becoming physically sick from what has been described as an 'electrosmog' that she fears could well be taking a steady, low-level toll on many.

"I've written to the National Parents' Council on the introduction of Wi-Fi to schools which I think is a disgrace.

"God only knows what effect it has on children at such a crucial stage in their physical development."

If ES people's symptoms are an indication of concern for all it's a conversation Ireland needs to be having, Delia said.

While science is skeptical on the ES front, Delia is convinced:

"It is estimated one per cent of the population is ES, which represents over 40,000 people in this country alone."

Kerryman

Biomarkers in EHS, Demyelination from (Xfinity) Home Wi-Fi with Public Hotspot, Dr. Klinghardt Video on EMR and Chronic Illness

From: Angela @gmail.com>

Sent: Wednesday, September 14, 2016 3:23 PM

Subject: Biomarkers in EHS, Demyelination from (Xfinity) Home Wi-Fi with Public Hotspot, Dr. Klinghardt
Video on EMR and Chronic Illness

A glioma is a type of malignant tumor that starts in the brain or spine. It is called a glioma because it arises from glial cells. <https://en.wikipedia.org/wiki/Glioma>

Myelin is the protective layer around nerve cells. Damage to myelin causes neurological problems. Myelin is an outgrowth of a type of glial cell. <https://en.wikipedia.org/wiki/Myelin>

In May 2016, the National Toxicology Program's 2-year study on cell phone radiation in rats showed that 3% of rats that were exposed to cell phone radiation developed gliomas, whereas rats that were not exposed did NOT develop gliomas. Results were statistically significant.

<http://biorxiv.org/content/early/2016/05/26/055699.full.pdf+html>

Below are 2 very important papers and a very important video. Please read.

Angela

1) From France, Reliable biomarkers have been found in those with EHS (electrohypersensitivity) and/or MCS (multiple chemical sensitivity)

Read the paper here http://www.ehs-mcs.org/fichiers/1454070991_Reliable_biomarkers.pdf

Rev Environ Health. 2015;30(4):251-71. doi: 10.1515/reveh-2015-0027.

Reliable disease biomarkers characterizing and identifying electrohypersensitivity and multiple chemical sensitivity as two etiopathogenic aspects of a unique pathological disorder.

Belpomme D, Campagnac C, Irigaray P.

In many of those with EHS and/or MCS, the following biomarkers are out of normal range:

High-sensitivity C reactive protein (hs-CRP)

Low Vitamin D2-D3 (comment: this study showed that low vitamin D is not a cause of EHS but an effect from electromagnetic radiation exposure)

High Histamine

High IgE

High Protein S100B

High Nitrotyrosine (NTT)

High Heat shock protein 70 (HSP70)

High Heat shock protein 27 (HSP27)

High Anti-O-myelin autoantibodies

Low Hydroxy-melatonin sulfate (6-OHMS)

Low 6-OHMS/creatinine

Abnormal blood flow in brain in temporal lobes

2) Demyelination Exacerbated by (Xfinity) Home Wi-Fi router with Public Hotspot feature

(If you are a Comcast/Xfinity customer, you probably have a router with a public hotspot feature and not know you have it. I became an Xfinity customer recently and was not told that the router they supplied me would be used as a public hotspot by Xfinity. Xfinity's home wireless gateway modems have 2 lines of Wi-Fi – one for your household use, and another for public hotspot use – use of one does not affect speeds/capacity of the other, and there are no security issues since they are separate lines. However, you are paying for the power to supply Wi-Fi to the public hotspot range of 100 meters around your router and you are exposing yourself to much higher wireless radiation levels with a public hotspot on your router, and Xfinity is charging non-Xfinity customers a rate of \$2.95 per hour to access the hotspot. Here's more information about the home hotspot feature and a video that explains it, and a link to disable the public hotspot feature on your Xfinity modem. <http://wifi.xfinity.com/> You will know if you are within range of an Xfinity hot spot if your smartphone/ipad shows that there is "xfinitywifi" available in the list of wireless networks.

(Note: Disabling Wi-Fi on the Xfinity router in the usual way only disables your home Wi-Fi network, not the hotspot. After I disabled the Wi-Fi on my Xfinity router, I thought I had shut off all Wi-Fi signals from it, but my meter indicated there were still strong Wi-Fi signals coming from the router. I didn't understand why this would be, but after investigation, I figured out this second signal was for the public hotspot. After I found out, I replaced the modem with one without the public hotspot feature. If you have a modem/router supplied by your provider, it may have a public hotspot feature – only way to know is to check with an RF meter when your home Wi-Fi network is off or check with your provider.)

Johansson O, Redmayne M, “Exacerbation of demyelinating syndrome after exposure to wireless modem with public hotspot”, *Electromagn Biol Med* 2016, 29:1-5 Paper is attached below.

Summary: A woman who had contracted neuroinvasive West Nile Virus in 2003 became disabled from nerve damage brought on by demyelination. (Myelin is the protective layer around nerve cells, analogous to the plastic coating insulating electrical wires. Damage to the myelin leads to neurological problems. <https://en.wikipedia.org/wiki/Myelin>)

In August 2014, she suddenly developed symptoms very much like her acute West Nile infection, including seizures, vertigo and headaches. Her blood count looked normal so there was no obvious infection. When she left her apartment for any length of time, the symptoms stopped. She found out that a new type of wireless modem (from Xfinity), enabled for both personal use and functioning as a public hotspot designed to reach up to 100 meters, had been installed in the flat under hers.

After her neighbor replaced the modem with a router without the hotspot feature, the seizures stopped immediately, and the other symptoms faded gradually, after which she was fine and again could sleep well. Later, when another activated hotspot was installed in an adjacent flat, she once again noticed symptoms.

A possible association between electrohypersensitivity, myelin integrity and exposure to low-intensity radiofrequency electromagnetic fields (RF-EMF) has recently been proposed. Since the West Nile virus attacks both the nerve cells and the glial ones, one explanation to the above observed case effects is that the initial virus attack and the wireless modem's RF-EMF affect the nervous system through the very same, or similar, avenues, and maybe both via the oligodendrocytes.

3) Interview with Dr. Klinghardt, MD and PhD (Dr. Klinghardt is an expert in the treatment of Lyme disease, pyroluria, and harm caused by wireless radiation) He explains what is happening with chronic illness – diabetes and obesity, cancer, neurological problems (depression, insomnia, dementia), muscle aches, fatigue and the relation to electromagnetic radiation. Autism in children doubling every 5 years now. A study was done in Germany that showed that cancer rates went up in areas around a cell tower 5 years after installation.

His approach to treating patients harmed by wireless radiation (after reducing exposure to RF and filtering dirty electricity with Stetzer):

- 1) remove heavy metals
- 2) take immune boosting mushrooms (e.g. maitake, shitake)
- 3) repair myelin sheath (with amino acids)

https://www.youtube.com/watch?v=b_wxM6IAF1I

Download

DemyelinationWiFiHotSpot.pdf

EMF-Omega-News 17. September 2016

From: "BI-CI Omega star.mail@online.de [emfrefugee]" <emfrefugee@yahoogroups.com>

Sent: Saturday, September 17, 2016 1:53 AM

Subject: [emfrefugee] EMF-Omega-News 17. September 2016

Dear Sir, Madam, Ladies and gentlemen, dear friends,

For your information.

Best regards,

Klaus Rudolph

Citizens' Initiative Omega

Sometimes the links are missing. You can always find them here: <http://www.buergerwelle.de/en/>

Bürgerwelle - Home

www.buergerwelle.de

Welcome to the Bürgerwelle home page. We are committed to inform about the health problems caused by electromagnetic radiation. read more about us

<http://www.buergerwelle.de/en/news/newsletter/>

<http://www.mastsanity.org/health-52.html>

<http://electromagnetichealth.org/category/electromagnetic-health-blog/>

Why men should NEVER put their phone in their pocket

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7573/>

Fears of radiation from mobile towers to be allayed in S Goa

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7574/>

Villagers' worry over phone mast risks to health

<http://www.buergerwelle.de:8080/helma/twoday/bwnews/stories/7578/>

News from Mast Sanity

<http://tinyurl.com/2vhcbl6>

<http://tinyurl.com/aotw3>

Our links:

<http://tinyurl.com/yjpu7wg>

<http://tinyurl.com/93epp>

<http://tinyurl.com/9w2sx>

<http://tinyurl.com/aotw3>

<http://tinyurl.com/oja9t>

<http://tinyurl.com/jyemw>

<http://groups.yahoo.com/group/EMR-EMF/>

<http://groups.yahoo.com/group/emf-omega-news/>

Note: Editor and responsible for the content: Citizens' Initiative Omega. Our messages are the result of many hours of daily research, roundup and editing.